

SERVICE MANUAL

COMPACT DISC STEREO
SYSTEM

BASIC TAPE MECHANISM : ZZM-3 YPR1NC
BASIC CD MECHANISM : BZG-5 ZD4GN1C

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
Z-A65	CX-ZA65	SX-WZA65	RC-ZAS02

- This Service Manual is the "Revision Publishing" and replaces "Simple Manual" Z-A65 (LH), (S/M Code No. 09-021-453-5T1).
- If requiring information about the CD mechanism, see Service Manual of BZG-5, (S/M Code No. 09-023-353-3NA).

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SPECIFICATIONS

<FM tuner section>

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	13.2 dBf
Antenna terminals	75 ohms (unbalanced)

<AM tuner section>

Tuning range	530 kHz to 1710 kHz (10 kHz step) 531 kHz to 1602 kHz (9 kHz step)
Usable sensitivity	350 µV/m
Antenna	Loop antenna

<Amplifier section>

Power output	Rated: 100 W + 100 W (6 ohms, T.H.D. 1 %, 1 kHz) Reference: 120 W + 120 W (6 ohms, T.H.D. 10 %, 1 kHz)
Total harmonic distortion	0.1% (50 W, 1 kHz, 6 ohms, DIN AUDIO)

Inputs

Outputs	VIDEO/AUX/PHONO : 500 mV SPEAKERS: accept speakers of 6 ohms or more PHONES (stereo jack): accepts headphones of 32 ohms or more
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<Cassette deck section>

Track format	4 tracks, 2 channels stereo
Frequency response	50 Hz – 12500 Hz
Recording system	AC bias
Heads	Deck 1 : Playback head x 1 Deck 2 : Recording/playback head x 1, erase head x 1

<Compact disc player section>

Laser	Semiconductor laser (λ =780 nm)
D-A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.05 % (1 kHz, 0 dB)
Wow and flutter	Unmeasurable

<Speaker system SX-WZA65>

Cabinet type	3 way, built-in subwoofer
Speakers	Subwoofer: 220 mm cone type Full range: 140 mm cone type Super tweeter: 20 mm ceramic type 6 ohms
Impedance	6 ohms

Output sound pressure level

	89 dB/W/m
Dimensions (W x H x D)	275 x 495 x 297 mm
Weight	8.2 kg

<General>

Power requirements	120 V/220 - 230 V/240 V AC, switchable: 50/60 Hz
Power consumption	130 W
Dimensions of main unit (W x H x D)	360 x 395.3 x 360.6 mm
Weight of main unit	10 kg

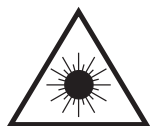
- Design and specifications are subject to change without notice.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

WARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvisning, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

ATTENTION

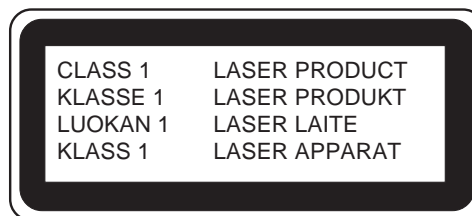
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL

Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.

The CLASS 1 LASER PRODUCT label is located on the rear exterior.

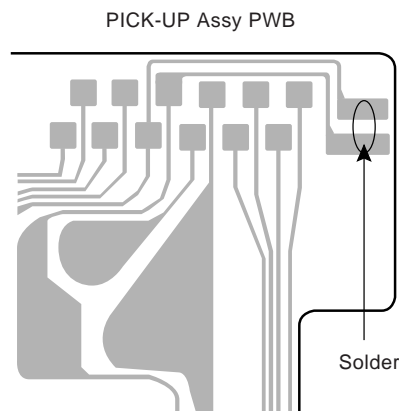


Precaution to replace Optical block

(KSS-213F)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

- 1) After the connection, remove solder shown in right figure.



NOTE ON BEFORE STARTING REPAIR

1. Forced discharge of electrolytic capacitor of power supply block

When repair is going to be attempted in the set that uses relay circuit in the power supply block, electric potential is kept charged across the electrolytic capacitors (C101, 102) even though AC power cord is removed. If repair is attempted in this condition, secondary defect can occur.

In order to prevent the secondary trouble, perform the following measures before starting repair work.

Discharge procedure

- ① Remove the AC power cord.
- ② Connect a discharging resistor at an end of lead wire that has clips at both ends. Connect the other end of the lead wire to metal chassis.
- ③ Contact the other end of the discharging resistor to the positive (+) side (+VH) of C101. (For two seconds)
- ④ Contact the same end of the discharging resistor as step ③ to the negative (-) side (-VH) of C102 in the same way. (For two seconds)
- ⑤ Check that voltage across C101 and C102 has decreased to 1 V or less using a multimeter or an oscilloscope.

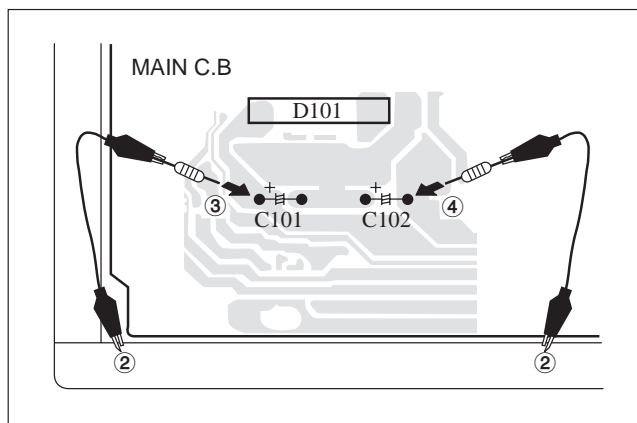


Fig-1

Select a discharging resistor referring to the following table.

Charging voltage (V) (C101, 102)	Discharging resistor (Ω)	Rated power (W)	Parts number
25-48	100	3	87-A00-247-090
49-140	220	5	87-A00-232-090

Note: The reference numbers (C101, C102) of the electrolytic capacitors can change depending on the models. Be sure to check the reference numbers of the charging capacitors on schematic diagram before starting the discharging work.

2. Check items before exchanging the MICROCOMPUTER

Be sure to check the following items before exchanging the MICROCOMPUTER. Exchange the MICROCOMPUTER after confirming that the MICROCOMPUTER is surely defective.

2-1. Regarding the HOLD terminal of the MICROCOMPUTER

When the HOLD terminal (INPUT) of the MICROCOMPUTER is “H”, the MICROCOMPUTER is judged to be operating correctly. When this terminal is “L”, the main power cannot be turned on. Therefore, be sure to check the terminal voltage of the HOLD terminal before exchange.

When the MICROCOMPUTER is not defective, the HOLD terminal can also go “L” when the POWER AMPLIFIER has any abnormalities that triggers the abnormality detection circuit on the MAIN C. B. that sets the HOLD terminal to “L”.

• Good or no good judgement of the MICROCOMPUTER

- ① Turn on the AC main power.
- ② Confirm that the main power is turned on and the HOLD terminal of the MICROCOMPUTER keeps the “H” level or not.
- ③ When the HOLD terminal is “L” level, the abnormality detection circuit is judged to be working correctly and the MICROCOMPUTER is judged to be good.

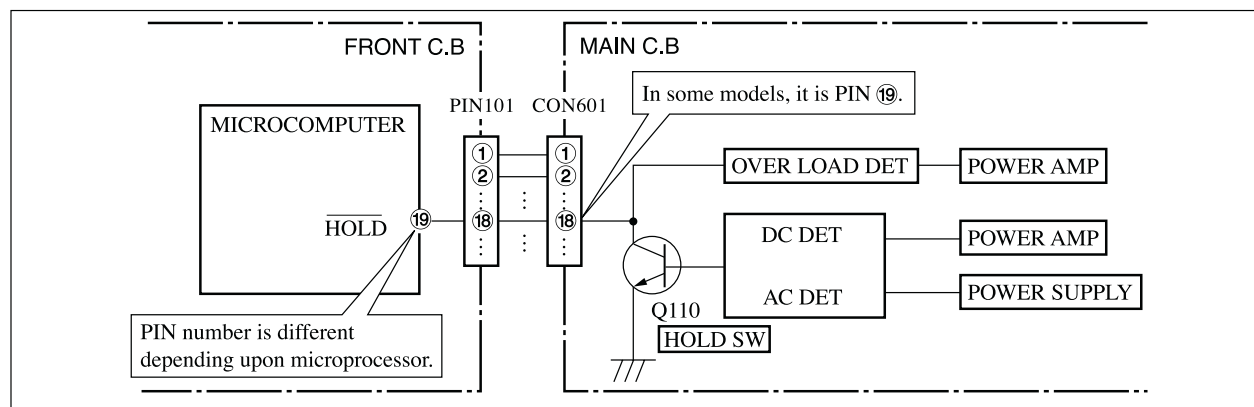


Fig-2-1

In such a case, check also if the POWER AMPLIFIER circuit or power supply circuit has any abnormalities or not.

2-2. Regarding reset

There are cases that the machine does not work correctly because the MICROCOMPUTER is not reset even though the AC power cord is re-inserted, or the software reset (pressing the STOP key + POWER key) is performed.

When the above described phenomenon occurs, it can lead to wrong judgement as if the MICROCOMPUTER is defective and to exchange the MICROCOMPUTER. In such a case, perform the forced-reset by the following procedure and check good or no good of the MICROCOMPUTER.

- ① Remove the AC power cord.

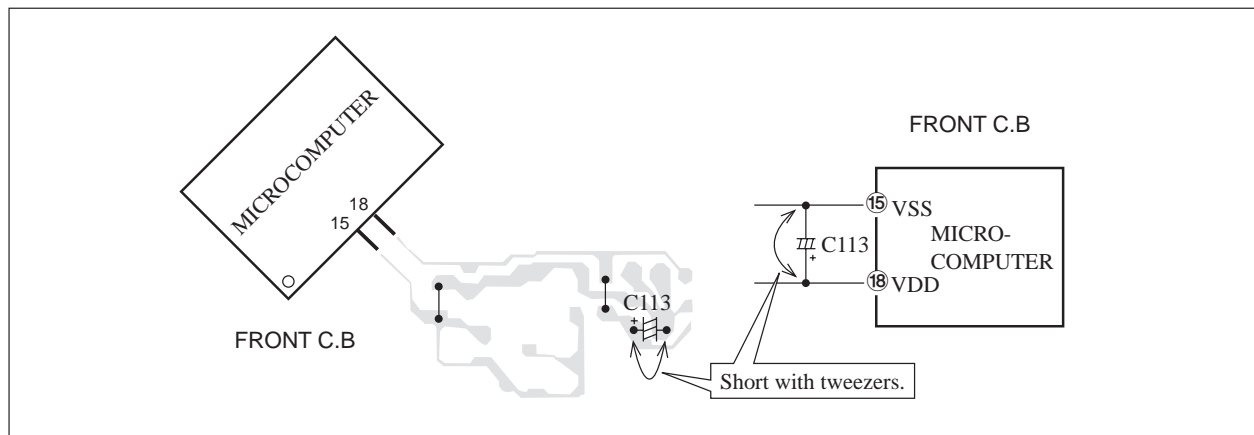


Fig-2-2

- ② Short both ends of the electrolytic capacitor C113 that is connected to VDD of the MICROCOMPUTER with tweezers.
- ③ Connect the AC power cord again. If the MICROCOMPUTER returns to the normal operation, the MICROCOMPUTER is good.

Note: The reference number or MICROCOMPUTER pin number of transistor (Q110) and electrolytic capacitor (C113) can change depending on the models. Be sure to check the reference numbers on schematic diagram before starting the discharging work.

2-3. Confirmation of soldering state of MICROCOMPUTER

Check the soldering state of the MICROCOMPUTER in addition to the above described procedures. Be sure to exchange the MICROCOMPUTER after surely confirming that the trouble is not caused by poor soldering but the MICROCOMPUTER itself.

ELECTRICAL PARTS LIST (CX – ZA65)

! = ⚠ SAFETY PARTS
C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
CX-ZA65					
LHSC					
FAN	O C	0501	87-010-401-080	CAP,E 1-50 M 11L SME	a
FAN	O C	0502	87-010-374-080	CAP,E 47-10 M 11L SME	a
FAN	O C	0503	87-010-380-080	CAP,E 47-16 M 11L SME	a
FAN	O CN	0502	87-A60-688-010	CONN,4P H GRY TUC-P04X-C1	a
FAN	O CN	0503	87-A60-619-010	CONN,2P V 2MM JMT	a
FAN	S Q	0501	87-A30-076-080	C-TR,2SC3052F	a
FAN	S Q	0503	87-A30-218-080	TR,2SB1237Q	a
FAN	X R	0501	88-108-473-080	C-RES,U 47K-1/16W J	a
FAN	X R	0502	88-108-474-080	C-RES,U 470K-1/16W J	a
FAN	X R	0503	88-108-122-080	C-RES,U 1.2K-1/16W J	a
FAN	X R	0504	88-108-102-080	C-RES,U 1K-1/16W J	a
FAN	X R	0505	88-108-102-080	C-RES,U 1K-1/16W J	a
FAN	X R	0506	88-108-103-080	C-RES,U 10K-1/16W J	a
FAN	X R	0507	88-108-000-080	C-JUMPER,U	a
FRONT	O C	0100	87-A10-047-080	C-CAP,U 1-10 Z F	a
FRONT	O C	0102	87-010-498-040	CAP,E 10-16 M 5L SRE	a
FRONT	O C	0106	87-010-248-040	CAP,E 220-10 M 11L SME	a
FRONT	O C	0107	87-010-759-080	C-CAP,U 0.1-25 Z F	a
FRONT	O C	0108	87-012-278-080	C-CAP,U 2200P-50 K B	a
FRONT	O C	0110	87-010-248-040	CAP,E 220-10 M 11L SME	a
CX-ZA65					
LHSC					
FRONT	O C	0111	87-A10-260-080	C-CAP,U 0.1-16 K B	a
FRONT	O C	0112	87-010-493-040	CAP,E 0.47-50 M 5L SRE	a
FRONT	O C	0113	87-012-274-080	C-CAP,U 1000P-50 K B	a
FRONT	O C	0114	87-010-831-080	C-CAP,U 0.1-16 Z F	a
FRONT	O C	0116	87-010-759-080	C-CAP,U 0.1-25 Z F	a
FRONT	O C	0117	87-010-872-080	C-CAP,U 470P-50 SL	a
FRONT	O C	0122	87-012-369-080	C-CAP,S 0.047-50 Z F	a
FRONT	O C	0123	87-010-408-040	CAP,E 47-50 M 11L SME	a
FRONT	O C	0124	87-010-421-040	CAP,E 4.7-50 M 5L SRE	a
FRONT	O C	0125	87-010-421-040	CAP,E 4.7-50 M 5L SRE	a
FRONT	O C	0132	87-012-199-080	C-CAP,U 220P-50 J CH	a
FRONT	O C	0133	87-012-184-080	C-CAP,U 33P-50 J CH	a
FRONT	O C	0135	87-A11-148-080	CAP,TC U 0.1-50 Z F	a
FRONT	O C	0137	87-012-178-080	C-CAP,U 18P-50 J CH	a
FRONT	O C	0138	87-010-759-080	C-CAP,U 0.1-25 Z F	a
FRONT	O C	0251	87-010-759-080	C-CAP,U 0.1-25 Z F	a
FRONT	O C	0252	87-012-199-080	C-CAP,U 220P-50 J CH	a
FRONT	O C	0253	87-012-195-080	C-CAP,U 100P-50 J CH	a
FRONT	O C	0301	87-012-358-080	C-CAP,S 0.47-10 Z F CM/CB	a
FRONT	O C	0302	87-012-335-080	C-CAP,U 270P-50 J SL	a
CX-ZA65					
LHSC					
FRONT	O C	0303	87-012-358-080	C-CAP,S 0.47-10 Z F CM/CB	a
FRONT	O C	0304	87-012-358-080	C-CAP,S 0.47-10 Z F CM/CB	a
FRONT	O C	0305	87-010-759-080	C-CAP,U 0.1-25 Z F	a
FRONT	O C	0306	87-010-759-080	C-CAP,U 0.1-25 Z F	a
FRONT	O C	0310	87-010-759-080	C-CAP,U 0.1-25 Z F	a
FRONT	O C	0311	87-010-405-040	CAP,E 10-50 M 11L SME	a
FRONT	O C	0411	87-012-157-080	C-CAP,S 330P-50 J CH GRM	a
FRONT	O C	0412	87-010-405-040	CAP,E 10-50 M 11L SME	a
FRONT	O C	0421	87-012-274-080	C-CAP,U 1000P-50 K B	a
FRONT	O C	0422	87-012-274-080	C-CAP,U 1000P-50 K B	a
FRONT	O C	0651	87-012-274-080	C-CAP,U 1000P-50 K B	a
FRONT	O C	0652	87-012-274-080	C-CAP,U 1000P-50 K B	a
FRONT	O C	0940	87-012-145-080	C-CAP,S 270P-50 J CH GRM	a
FRONT	O C	0941	87-012-145-080	C-CAP,S 270P-50 J CH GRM	a
FRONT	O C	0942	87-012-145-080	C-CAP,S 270P-50 J CH GRM	a
FRONT	O C	0943	87-012-145-080	C-CAP,S 270P-50 J CH GRM	a
FRONT	O C	0944	87-012-145-080	C-CAP,S 270P-50 J CH GRM	a
FRONT	O C	0945	87-012-145-080	C-CAP,S 270P-50 J CH GRM	a
FRONT	O C	0946	87-012-145-080	C-CAP,S 270P-50 J CH GRM	a
FRONT	O C	0947	87-012-145-080	C-CAP,S 270P-50 J CH GRM	a
CX-ZA65					
LHSC					
FRONT	O C	0948	87-012-145-080	C-CAP,S 270P-50 J CH GRM	a
FRONT	O C	0949	87-012-145-080	C-CAP,S 270P-50 J CH GRM	a
FRONT	O C	0950	87-012-158-080	C-CAP,S 390P-50 J CH GRM	a
FRONT	O C	0951	87-012-145-080	C-CAP,S 270P-50 J CH GRM	a
FRONT	O C	0952	87-012-145-080	C-CAP,S 270P-50 J CH GRM	a
FRONT	O CN	0101	87-099-720-010	CONN,30P BLK TYK-B(P)	a
FRONT	O CN	0104	87-A60-136-010	CONN,11P V FE	a
FRONT	O CN	1000	87-099-196-010	CONN,8P V BLK 6216	a
FRONT	O CNA	0302	8B-MA5-652-010	CONN ASSY,2P V (100MM)	a
FRONT	S D	0101	87-A40-234-080	ZENER,MTZJ5.6A	a
FRONT	S D	0102	87-A40-270-080	C-DIODE,MC2838	a
FRONT	S D	0103	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0104	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0132	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0134	87-020-465-080	DIODE,1SS133	a
FRONT	X D	0135	88-100-000-010	PLATING-JW, 0.58 SN95	a
FRONT	S D	0137	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0138	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0301	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0302	87-020-465-080	DIODE,1SS133	a

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					CX-ZA65 LHSC
FRONT	S D	0303	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0304	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0311	87-A40-234-080	ZENER,MTZJ5.6A	a
FRONT	S D	0351	87-A40-269-080	C-DIODE,MC2836	a
FRONT	S D	0371	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0372	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0375	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0376	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0377	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0378	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0379	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0380	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0381	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0382	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0383	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0384	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0385	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0386	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0447	87-020-465-080	DIODE,1SS133	a
FRONT	S D	0450	87-020-465-080	DIODE,1SS133	a
					CX-ZA65 LHSC
FRONT	S D	0451	87-020-465-080	DIODE,1SS133	a
FRONT	O	FFC0104	88-911-151-110	FF-CABLE,11P 1.25 150MM	a
FRONT	O	FFC1000	88-908-271-110	FF-CABLE,8P 1.25 270MM	a
FRONT	O	FL 0101	8B-MA5-671-010	FL,BJ823GNK	a
FRONT	S IC	0101	8B-MA5-651-010	C-IC,LC876564V-5T64	a
FRONT	S IC	0380	87-A21-577-040	C-IC,M61506FP	a
FRONT	S IC	0412	87-A21-831-010	IC,SPS-442-1-F1	a
FRONT	S IC	0662	87-070-289-040	C-IC,BU2092F	a
FRONT	X JW	0144	88-121-333-080	RES,33K-1/8W J	a
FRONT	X JW	0153	88-121-471-080	RES,470-1/8W J	a
FRONT	S JW	0217	87-020-465-080	DIODE,1SS133	a
FRONT	O L	0101	87-A50-657-010	COIL,CLK 9.43MHZ (TOKO) 7KLY	a
FRONT	O	LED0131	87-A40-317-080	LED,SLR-342VCT31 RED	a
FRONT	O	LED0202	87-A41-056-040	LED,HLMF-D405 ORANGE	a
FRONT	O	LED0205	87-A41-056-040	LED,HLMF-D405 ORANGE	a
FRONT	O	LED0210	87-A41-056-040	LED,HLMF-D405 ORANGE	a
FRONT	O	LED0212	87-A41-056-040	LED,HLMF-D405 ORANGE	a
FRONT	O	LED0682	87-A41-056-040	LED,HLMF-D405 ORANGE	a
FRONT	O	LED0683	87-A41-056-040	LED,HLMF-D405 ORANGE	a
FRONT	O	LED0684	87-A41-056-040	LED,HLMF-D405 ORANGE	a
					CX-ZA65 LHSC
FRONT	O	LED0685	87-A41-056-040	LED,HLMF-D405 ORANGE	a
FRONT	O	LED0698	87-A41-056-040	LED,HLMF-D405 ORANGE	a
FRONT	S Q	0101	87-A30-492-080	TR,2SC5343G	a
FRONT	S Q	0102	87-A30-538-040	C-TR,SRA2202S	a
FRONT	S Q	0104	87-A30-492-080	TR,2SC5343G	a
FRONT	S Q	0105	87-A30-494-080	TR,2SA1980G	a
FRONT	S Q	0111	87-A30-076-080	C-TR,2SC3052F	a
FRONT	S Q	0130	87-A30-598-040	C-TR, SRC1202S	a
FRONT	S Q	0131	87-A30-087-080	C-FET,2SK2158	a
FRONT	S Q	0132	87-A30-087-080	C-FET,2SK2158	a
FRONT	S Q	0133	87-A30-598-040	C-TR, SRC1202S	a
FRONT	S Q	0134	87-A30-076-080	C-TR,2SC3052F	a
FRONT	S Q	0351	89-112-965-080	TR,2SA1296GR	a
FRONT	S Q	0352	87-A30-495-080	TR,2SA1981Y	a
FRONT	S Q	0353	87-A30-495-080	TR,2SA1981Y	a
FRONT	S Q	0441	87-A30-142-040	C-TR,DTA123EKA	a
FRONT	X R	0074	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X R	0075	88-121-102-080	RES,1K-1/8W J	a
FRONT	X R	0076	88-121-101-080	RES,100-1/8W J	a
FRONT	X R	0077	88-121-102-080	RES,1K-1/8W J	a
					CX-ZA65 LHSC
FRONT	X R	0078	88-108-000-080	C-JUMPER,U	a
FRONT	X R	0079	88-121-101-080	RES,100-1/8W J	a
FRONT	X R	0080	88-121-101-080	RES,100-1/8W J	a
FRONT	X R	0081	88-121-102-080	RES,1K-1/8W J	a
FRONT	X R	0082	88-100-000-010	PLATING-JW, 0.58 SN95	a
FRONT	X R	0083	88-121-101-080	RES,100-1/8W J	a
FRONT	X R	0084	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT	X R	0085	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT	X R	0087	88-108-222-080	C-RES,U 2.2K-1/16W J	a
FRONT	X R	0088	88-108-222-080	C-RES,U 2.2K-1/16W J	a
FRONT	X R	0090	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT	X R	0101	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	X R	0104	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X R	0105	88-108-222-080	C-RES,U 2.2K-1/16W J	a
FRONT	X R	0106	88-108-471-080	C-RES,U 470-1/16W J	a
FRONT	X R	0111	88-108-124-080	C-RES,U 120K-1/16W J	a
FRONT	X R	0112	88-108-333-080	C-RES,U 33K-1/16W J	a
FRONT	X R	0113	88-108-153-080	C-RES,U 15K-1/16W J	a
FRONT	X R	0114	88-121-472-080	RES,4.7K-1/8W J	a
FRONT	X R	0115	88-108-224-080	C-RES,U 220K-1/16W J	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CX-ZA65 LHSC
FRONT	X	R	0116	88-121-224-080	RES,220K-1/8W J	a
FRONT	X	R	0121	88-108-100-080	C-RES,U 10-1/16W J	a
FRONT	X	R	0122	88-108-681-080	C-RES,U 680-1/16W J	a
FRONT	X	R	0123	88-121-472-080	RES,4.7K-1/8W J	a
FRONT	X	R	0124	88-108-681-080	C-RES,U 680-1/16W J	a
FRONT	X	R	0125	88-121-472-080	RES,4.7K-1/8W J	a
FRONT	X	R	0126	88-108-100-080	C-RES,U 10-1/16W J	a
FRONT	X	R	0131	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X	R	0133	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X	R	0135	88-121-102-080	RES,1K-1/8W J	a
FRONT	X	R	0136	88-121-102-080	RES,1K-1/8W J	a
FRONT	X	R	0137	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT	X	R	0138	88-108-333-080	C-RES,U 33K-1/16W J	a
FRONT	X	R	0139	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT	X	R	0140	88-108-122-080	C-RES,U 1.2K-1/16W J	a
FRONT	X	R	0141	88-108-224-080	C-RES,U 220K-1/16W J	a
FRONT	X	R	0156	88-108-124-080	C-RES,U 120K-1/16W J	a
FRONT	X	R	0157	88-108-223-080	C-RES,U 22K-1/16W J	a
FRONT	X	R	0158	88-108-333-080	C-RES,U 33K-1/16W J	a
FRONT	X	R	0176	88-108-103-080	C-RES,U 10K-1/16W J	a
						CX-ZA65 LHSC
FRONT	X	R	0197	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	X	R	0201	88-118-122-080	C-RES,S 1.2K-1/10W J	a
FRONT	X	R	0202	88-118-122-080	C-RES,S 1.2K-1/10W J	a
FRONT	X	R	0205	88-118-122-080	C-RES,S 1.2K-1/10W J	a
FRONT	X	R	0206	88-118-122-080	C-RES,S 1.2K-1/10W J	a
FRONT	X	R	0213	88-118-122-080	C-RES,S 1.2K-1/10W J	a
FRONT	X	R	0214	88-118-122-080	C-RES,S 1.2K-1/10W J	a
FRONT	X	R	0217	88-118-122-080	C-RES,S 1.2K-1/10W J	a
FRONT	X	R	0218	88-118-122-080	C-RES,S 1.2K-1/10W J	a
FRONT	X	R	0251	88-108-222-080	C-RES,U 2.2K-1/16W J	a
FRONT	X	R	0252	88-108-222-080	C-RES,U 2.2K-1/16W J	a
FRONT	X	R	0253	88-108-222-080	C-RES,U 2.2K-1/16W J	a
FRONT	X	R	0254	88-121-472-080	RES,4.7K-1/8W J	a
FRONT	X	R	0255	88-121-103-080	RES,10K-1/8W J	a
FRONT	X	R	0256	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT	X	R	0302	88-108-224-080	C-RES,U 220K-1/16W J	a
FRONT	X	R	0303	88-121-273-080	RES,27K-1/8W J	a
FRONT	X	R	0304	88-108-273-080	C-RES,U 27K-1/16W J	a
FRONT	X	R	0305	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	X	R	0306	88-108-104-080	C-RES,U 100K-1/16W J	a
						CX-ZA65 LHSC
FRONT	X	R	0307	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	X	R	0311	88-118-471-080	C-RES,S 470-1/10W J	a
FRONT	X	R	0321	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT	X	R	0322	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	X	R	0323	88-108-273-080	C-RES,U 27K-1/16W J	a
FRONT	X	R	0324	88-121-472-080	RES,4.7K-1/8W J	a
FRONT	X	R	0330	88-108-472-080	C-RES,U 4.7K-1/16W J	a
FRONT	X	R	0331	88-108-273-080	C-RES,U 27K-1/16W J	a
FRONT	X	R	0332	88-108-472-080	C-RES,U 4.7K-1/16W J	a
FRONT	X	R	0333	88-108-273-080	C-RES,U 27K-1/16W J	a
FRONT	X	R	0334	88-108-472-080	C-RES,U 4.7K-1/16W J	a
FRONT	X	R	0335	88-108-273-080	C-RES,U 27K-1/16W J	a
FRONT	X	R	0351	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT	X	R	0352	88-121-561-080	RES,560-1/8W J	a
FRONT	X	R	0353	88-108-109-080	C-RES,U 1-1/16W J	a
FRONT	X	R	0354	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT	X	R	0355	88-121-222-080	RES,2.2K-1/8W J	a
FRONT	X	R	0356	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT	X	R	0357	88-121-222-080	RES,2.2K-1/8W J	a
FRONT	X	R	0361	88-108-473-080	C-RES,U 47K-1/16W J	a
						CX-ZA65 LHSC
FRONT	X	R	0363	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0366	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0367	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0368	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0371	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X	R	0373	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X	R	0374	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X	R	0375	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X	R	0376	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X	R	0377	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X	R	0378	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X	R	0379	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X	R	0401	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT	X	R	0402	88-108-561-080	C-RES,U 560-1/16W J	a
FRONT	X	R	0403	88-108-561-080	C-RES,U 560-1/16W J	a
FRONT	X	R	0404	88-108-681-080	C-RES,U 680-1/16W J	a
FRONT	X	R	0405	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT	X	R	0411	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT	X	R	0412	88-108-563-080	C-RES,U 56K-1/16W J	a
FRONT	X	R	0421	88-108-682-080	C-RES,U 6.8K-1/16W J	a

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					CX-ZA65 LHSC
FRONT	X R	0422	88-108-152-080	C-RES,U 1.5K-1/16W J	a
FRONT	X R	0423	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0424	88-108-183-080	C-RES,U 18K-1/16W J	a
FRONT	X R	0425	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X R	0441	88-121-223-080	RES,22K-1/8W J	a
FRONT	X R	0442	88-121-101-080	RES,100-1/8W J	a
FRONT	X R	0651	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X R	0652	88-108-183-080	C-RES,U 18K-1/16W J	a
FRONT	X R	0653	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0654	88-108-152-080	C-RES,U 1.5K-1/16W J	a
FRONT	X R	0655	88-108-682-080	C-RES,U 6.8K-1/16W J	a
FRONT	X R	0670	88-118-122-080	C-RES,S 1.2K-1/10W J	a
FRONT	X R	0680	88-118-122-080	C-RES,S 1.2K-1/10W J	a
FRONT	X R	0682	88-118-122-080	C-RES,S 1.2K-1/10W J	a
FRONT	X R	0683	88-118-122-080	C-RES,S 1.2K-1/10W J	a
FRONT	X R	0684	88-118-122-080	C-RES,S 1.2K-1/10W J	a
FRONT	X R	0685	88-118-122-080	C-RES,S 1.2K-1/10W J	a
FRONT	X R	0686	88-118-122-080	C-RES,S 1.2K-1/10W J	a
FRONT	X R	0687	88-118-122-080	C-RES,S 1.2K-1/10W J	a
FRONT	X R	0688	88-118-122-080	C-RES,S 1.2K-1/10W J	a
					CX-ZA65 LHSC
FRONT	X R	0689	88-118-122-080	C-RES,S 1.2K-1/10W J	a
FRONT	X R	0805	88-121-681-080	RES,680-1/8W J	a
FRONT	X R	0806	88-108-821-080	C-RES,U 820-1/16W J	a
FRONT	X R	0807	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X R	0808	88-108-122-080	C-RES,U 1.2K-1/16W J	a
FRONT	X R	0809	88-108-152-080	C-RES,U 1.5K-1/16W J	a
FRONT	X R	0821	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT	X R	0822	88-108-561-080	C-RES,U 560-1/16W J	a
FRONT	X R	0823	88-108-561-080	C-RES,U 560-1/16W J	a
FRONT	X R	0824	88-108-681-080	C-RES,U 680-1/16W J	a
FRONT	X R	0825	88-108-681-080	C-RES,U 680-1/16W J	a
FRONT	X R	0826	88-108-821-080	C-RES,U 820-1/16W J	a
FRONT	X R	0827	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X R	0828	88-121-122-080	RES,1.2K-1/8W J	a
FRONT	X R	0829	88-121-152-080	RES,1.5K-1/8W J	a
FRONT	X R	0830	88-108-182-080	C-RES,U 1.8K-1/16W J	a
FRONT	X R	0831	88-121-222-080	RES,2.2K-1/8W J	a
FRONT	X R	0842	88-108-561-080	C-RES,U 560-1/16W J	a
FRONT	X R	0843	88-108-561-080	C-RES,U 560-1/16W J	a
FRONT	X R	0844	88-121-681-080	RES,680-1/8W J	a
					CX-ZA65 LHSC
FRONT	X R	0845	88-108-681-080	C-RES,U 680-1/16W J	a
FRONT	X R	0846	88-108-821-080	C-RES,U 820-1/16W J	a
FRONT	X R	0847	88-121-102-080	RES,1K-1/8W J	a
FRONT	X R	0848	88-108-122-080	C-RES,U 1.2K-1/16W J	a
FRONT	X R	0849	88-121-152-080	RES,1.5K-1/8W J	a
FRONT	X R	0850	88-108-182-080	C-RES,U 1.8K-1/16W J	a
FRONT	X R	0851	88-108-222-080	C-RES,U 2.2K-1/16W J	a
FRONT	X R	0901	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0902	88-118-103-080	C-RES,S 10K-1/10W J	a
FRONT	X R	0903	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0904	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0905	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0906	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0907	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0908	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0909	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0910	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0911	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0912	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0913	88-108-473-080	C-RES,U 47K-1/16W J	a
					CX-ZA65 LHSC
FRONT	X R	0914	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0915	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0916	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0917	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0918	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0919	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0920	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0921	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0922	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0923	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0924	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0925	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0926	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0927	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0928	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0929	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0930	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0931	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0932	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X R	0933	88-108-473-080	C-RES,U 47K-1/16W J	a

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CX-ZA65						
LHSC						
FRONT	X	R	0934	88-121-473-080	RES,47K-1/8W J	a
FRONT	X	R	0935	88-121-473-080	RES,47K-1/8W J	a
FRONT	X	R	0936	88-121-473-080	RES,47K-1/8W J	a
FRONT	X	R	0937	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0938	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0939	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0940	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0941	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0942	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0943	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0944	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0945	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0946	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0947	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0948	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0949	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0950	88-118-123-080	C-RES,S 12K-1/10W J	a
FRONT	X	R	0951	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0952	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	X	R	0953	88-108-104-080	C-RES,U 100K-1/16W J	a
CX-ZA65						
LHSC						
FRONT	X	R	1000	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X	R	1001	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X	R	1002	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT	X	R	1003	88-108-272-080	C-RES,U 2.7K-1/16W J	a
FRONT	X	R	1004	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT	X	R	1005	88-108-272-080	C-RES,U 2.7K-1/16W J	a
FRONT	X	R	1006	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X	R	1007	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	X	R	1010	88-108-823-080	C-RES,U 82K-1/16W J	a
FRONT	O	S	0401	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0402	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0405	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0421	87-A92-071-110	SW,RTRY EC12E24508-30MM	a
FRONT	O	S	0651	87-A91-542-110	SW,RTRY EC12E12504	a
FRONT	O	S	0805	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0806	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0807	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0808	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0809	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0821	87-A90-095-080	SW,TACT EVQ11G04M	a
CX-ZA65						
LHSC						
FRONT	O	S	0822	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0823	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0825	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0826	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0827	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0828	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0829	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0830	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0831	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0842	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0843	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0845	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0846	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0849	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT	O	S	0851	87-A90-095-080	SW,TACT EVQ11G04M	a
KEY CD	O	CNA	0702	87-A60-666-010	CONN,2P H 2MM JMT	a
KEY CD	X	R	0751	88-108-272-080	C-RES,U 2.7K-1/16W J	a
KEY CD	X	R	0752	88-108-392-080	C-RES,U 3.9K-1/16W J	a
KEY CD	X	R	0753	88-108-472-080	C-RES,U 4.7K-1/16W J	a
KEY CD	X	R	0754	88-108-682-080	C-RES,U 6.8K-1/16W J	a
CX-ZA65						
LHSC						
KEY CD	X	R	0755	88-108-103-080	C-RES,U 10K-1/16W J	a
KEY CD	O	S	0751	87-A90-095-080	SW,TACT EVQ11G04M	a
KEY CD	O	S	0752	87-A90-095-080	SW,TACT EVQ11G04M	a
KEY CD	O	S	0753	87-A90-095-080	SW,TACT EVQ11G04M	a
KEY CD	O	S	0754	87-A90-095-080	SW,TACT EVQ11G04M	a
KEY CD	O	S	0755	87-A90-095-080	SW,TACT EVQ11G04M	a
MAIN	O	C	0003	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	O	C	0004	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	O	C	0005	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	O	C	0006	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	O	C	0009	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	O	C	0010	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	O	C	0011	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	O	C	0012	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	O	C	0019	87-A12-875-000	CAP,E 3300-65 M 85 IV	a
MAIN	O	C	0020	87-A12-875-000	CAP,E 3300-65 M 85 IV	a
MAIN	O	C	0021	87-A12-440-000	CAP,E 3300-35 M 85 IV LELON	a
MAIN	O	C	0022	87-A12-440-000	CAP,E 3300-35 M 85 IV LELON	a
MAIN	O	C	0025	87-010-247-080	CAP,E 100-50 M SME	a
MAIN	O	C	0026	87-010-247-080	CAP,E 100-50 M SME	a

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					CX-ZA65 LHSC
MAIN	O C	0027	87-010-247-080	CAP,E 100-50 M SME	a
MAIN	O C	0028	87-010-247-080	CAP,E 100-50 M SME	a
MAIN	O C	0030	87-010-430-080	CAP,E 100-63	a
MAIN	O C	0031	87-010-263-080	CAP,E 100-10 M 11L SME	a
MAIN	O C	0032	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0033	87-010-263-080	CAP,E 100-10 M 11L SME	a
MAIN	O C	0034	87-010-247-080	CAP,E 100-50 M SME	a
MAIN	O C	0035	87-010-380-080	CAP,E 47-16 M 11L SME	a
MAIN	O C	0036	87-010-381-080	CAP,E 330-16 M SME	a
MAIN	O C	0038	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0060	87-010-403-080	CAP,E 3.3-50 M 11L SME	a
MAIN	O C	0061	87-010-260-080	CAP,E 47-25 M 11L SME	a
MAIN	O C	0083	87-010-387-080	CAP,E 470-25 M SME	a
MAIN	O C	0097	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN	O C	0099	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN	O C	0101	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN	O C	0102	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN	O C	0103	87-010-404-080	CAP,E 4.7-50 M 11L SME	a
MAIN	O C	0104	87-010-404-080	CAP,E 4.7-50 M 11L SME	a
MAIN	O C	0107	87-010-405-080	CAP,E 10-50 M 11L SME	a
					CX-ZA65 LHSC
MAIN	O C	0108	87-010-405-080	CAP,E 10-50 M 11L SME	a
MAIN	O C	0109	87-012-199-080	C-CAP,U 220P-50 J CH	a
MAIN	O C	0110	87-012-199-080	C-CAP,U 220P-50 J CH	a
MAIN	O C	0111	87-010-392-080	CAP,E 33-35 M 11L SME	a
MAIN	O C	0112	87-010-392-080	CAP,E 33-35 M 11L SME	a
MAIN	O C	0113	87-A10-596-080	C-CAP,S 100P-100 J CH	a
MAIN	O C	0114	87-A10-596-080	C-CAP,S 100P-100 J CH	a
MAIN	O C	0115	87-012-167-080	C-CAP,U 5P-50 C CH	a
MAIN	O C	0116	87-012-167-080	C-CAP,U 5P-50 C CH	a
MAIN	O C	0117	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	O C	0118	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	O C	0119	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	O C	0120	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	O C	0121	87-010-404-080	CAP,E 4.7-50 M 11L SME	a
MAIN	O C	0122	87-010-404-080	CAP,E 4.7-50 M 11L SME	a
MAIN	O C	0123	87-010-177-080	C-CAP,S 820P-50 J SL C2012	a
MAIN	O C	0124	87-010-177-080	C-CAP,S 820P-50 J SL C2012	a
MAIN	O C	0133	87-012-282-080	C-CAP,U 4700P-50 K B	a
MAIN	O C	0140	87-012-278-080	C-CAP,U 2200P-50 K B	a
MAIN	O C	0186	87-010-759-080	C-CAP,U 0.1-25 Z F	a
					CX-ZA65 LHSC
MAIN	O C	0187	87-A10-119-080	CAP,E 10-100 REA	a
MAIN	O C	0188	87-A10-119-080	CAP,E 10-100 REA	a
MAIN	O C	0191	87-A10-812-080	C-CAP,S 220P-200 J CH	a
MAIN	O C	0192	87-A10-812-080	C-CAP,S 220P-200 J CH	a
MAIN	O C	0225	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	O C	0226	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	O C	0227	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	O C	0228	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	O C	0229	87-012-287-080	C-CAP,U 0.015-25 Z F	a
MAIN	O C	0230	87-012-287-080	C-CAP,U 0.015-25 Z F	a
MAIN	O C	0231	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0232	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0241	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN	O C	0301	87-012-274-080	C-CAP,U 1000P-50 K B	a
MAIN	O C	0302	87-012-274-080	C-CAP,U 1000P-50 K B	a
MAIN	O C	0303	87-012-275-080	C-CAP,U 1200P-50 K B GRM	a
MAIN	O C	0304	87-012-275-080	C-CAP,U 1200P-50 K B GRM	a
MAIN	O C	0307	87-010-263-080	CAP,E 100-10 M 11L SME	a
MAIN	O C	0308	87-010-263-080	CAP,E 100-10 M 11L SME	a
MAIN	O C	0309	87-012-195-080	C-CAP,U 100P-50 J CH	a
					CX-ZA65 LHSC
MAIN	O C	0310	87-012-195-080	C-CAP,U 100P-50 J CH	a
MAIN	O C	0313	87-012-284-080	C-CAP,U 6800P-50 K B GRM	a
MAIN	O C	0314	87-012-284-080	C-CAP,U 6800P-50 K B GRM	a
MAIN	O C	0315	87-010-263-080	CAP,E 100-10 M 11L SME	a
MAIN	O C	0317	87-010-546-080	CAP,E 0.33-50 M 11L SME	a
MAIN	O C	0318	87-010-546-080	CAP,E 0.33-50 M 11L SME	a
MAIN	O C	0326	87-016-118-080	C-CAP,U 0.022-25 J B GRM	a
MAIN	O C	0327	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	O C	0360	87-010-401-080	CAP,E 1-50 M 11L SME	a
MAIN	O C	0365	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN	O C	0399	87-012-270-080	C-CAP,U 470P-50 K B	a
MAIN	O C	0401	87-010-544-080	CAP,E 0.1-50 M 11L SME	a
MAIN	O C	0402	87-010-544-080	CAP,E 0.1-50 M 11L SME	a
MAIN	O C	0403	87-012-193-080	C-CAP,U 82P-50 J CH	a
MAIN	O C	0404	87-012-193-080	C-CAP,U 82P-50 J CH	a
MAIN	O C	0405	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0406	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0407	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0408	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0409	87-012-278-080	C-CAP,U 2200P-50 K B	a

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					CX-ZA65 LHSC
MAIN	O C	0410	87-012-278-080	C-CAP,U 2200P-50 K B	a
MAIN	O C	0411	87-010-405-080	CAP,E 10-50 M 11L SME	a
MAIN	O C	0412	87-010-405-080	CAP,E 10-50 M 11L SME	a
MAIN	O C	0452	87-010-406-080	CAP,E 22-50 M 11L SME	a
MAIN	O C	0453	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN	O C	0454	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN	O C	0455	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN	O C	0456	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0457	87-A12-361-080	CAP,M 5600P-100 J CP	a
MAIN	O C	0458	87-012-274-080	C-CAP,U 1000P-50 K B	a
MAIN	O C	0459	87-012-271-080	C-CAP,U 560P-50 K B	a
MAIN	O C	0460	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN	O C	0461	87-012-269-080	C-CAP,U 390P-50 K B	a
MAIN	O C	0462	87-012-269-080	C-CAP,U 390P-50 K B	a
MAIN	O C	0470	87-A11-104-080	CAP,TC U 470P-50 J CH	a
MAIN	O C	0605	87-012-275-080	C-CAP,U 1200P-50 K B GRM	a
MAIN	O C	0606	87-012-275-080	C-CAP,U 1200P-50 K B GRM	a
MAIN	O C	0609	87-012-287-080	C-CAP,U 0.015-25 Z F	a
MAIN	O C	0610	87-012-287-080	C-CAP,U 0.015-25 Z F	a
MAIN	O C	0611	87-010-545-080	CAP,E 0.22-50 M 11L SME	a
					CX-ZA65 LHSC
MAIN	O C	0612	87-010-545-080	CAP,E 0.22-50 M 11L SME	a
MAIN	O C	0613	87-010-545-080	CAP,E 0.22-50 M 11L SME	a
MAIN	O C	0614	87-010-545-080	CAP,E 0.22-50 M 11L SME	a
MAIN	O C	0615	87-012-172-080	C-CAP,U 10P-50 D CH	a
MAIN	O C	0616	87-010-221-080	CAP,E 470-10 M SME	a
MAIN	O C	0617	87-010-221-080	CAP,E 470-10 M SME	a
MAIN	O C	0618	87-010-405-080	CAP,E 10-50 M 11L SME	a
MAIN	O C	0620	87-010-263-080	CAP,E 100-10 M 11L SME	a
MAIN	O C	0623	87-010-402-080	CAP,E 2.2-50 M 11L SME	a
MAIN	O C	0624	87-010-402-080	CAP,E 2.2-50 M 11L SME	a
MAIN	O C	0630	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN	X C	0633	88-108-183-080	C-RES,U 18K-1/16W J	a
MAIN	X C	0634	88-108-183-080	C-RES,U 18K-1/16W J	a
MAIN	O C	0669	87-012-195-080	C-CAP,U 100P-50 J CH	a
MAIN	O C	0670	87-012-195-080	C-CAP,U 100P-50 J CH	a
MAIN	O C	0677	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0771	87-010-263-080	CAP,E 100-10 M 11L SME	a
MAIN	O C	0772	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	X C	0781	88-108-000-080	C-JUMPER,U	a
MAIN	O C	0782	87-012-286-080	C-CAP,U 0.01-25 K B	a
					CX-ZA65 LHSC
MAIN	O C	0783	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0784	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0785	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0786	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0788	87-012-167-080	C-CAP,U 5P-50 C CH	a
MAIN	O C	0789	87-A12-052-080	C-CAP,S 0.033-25 J B	a
MAIN	O C	0790	87-A12-052-080	C-CAP,S 0.033-25 J B	a
MAIN	O C	0791	87-010-831-080	C-CAP,U 0.1-16 Z F	a
MAIN	O C	0792	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0793	87-010-404-080	CAP,E 4.7-50 M 11L SME	a
MAIN	O C	0795	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0796	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0797	87-010-405-080	CAP,E 10-50 M 11L SME	a
MAIN	O C	0798	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0799	87-010-265-080	CAP,E 33-16 M 11L SME	a
MAIN	O C	0800	87-010-829-080	C-CAP,U 0.047-16 Z F	a
MAIN	O C	0801	87-010-403-080	CAP,E 3.3-50 M 11L SME	a
MAIN	O C	0802	87-010-829-080	C-CAP,U 0.047-16 Z F	a
MAIN	O C	0803	87-010-787-080	C-CAP,U 0.022-25 K B	a
MAIN	O C	0804	87-010-263-080	CAP,E 100-10 M 11L SME	a
					CX-ZA65 LHSC
MAIN	O C	0807	87-010-400-080	CAP,E 0.47-50 M 11L SME	a
MAIN	O C	0808	87-010-401-080	CAP,E 1-50 M 11L SME	a
MAIN	O C	0809	87-010-401-080	CAP,E 1-50 M 11L SME	a
MAIN	O C	0810	87-010-831-080	C-CAP,U 0.1-16 Z F	a
MAIN	O C	0814	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0815	87-010-400-080	CAP,E 0.47-50 M 11L SME	a
MAIN	O C	0816	87-010-400-080	CAP,E 0.47-50 M 11L SME	a
MAIN	O C	0821	87-010-405-080	CAP,E 10-50 M 11L SME	a
MAIN	X C	0822	88-108-000-080	C-JUMPER,U	a
MAIN	O C	0823	87-010-177-080	C-CAP,S 820P-50 J SL C2012	a
MAIN	O C	0824	87-010-404-080	CAP,E 4.7-50 M 11L SME	a
MAIN	O C	0825	87-010-829-080	C-CAP,U 0.047-16 Z F	a
MAIN	O C	0842	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	X C	0843	88-108-000-080	C-JUMPER,U	a
MAIN	O C	0844	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	X C	0845	88-108-000-080	C-JUMPER,U	a
MAIN	X C	0846	88-108-000-080	C-JUMPER,U	a
MAIN	X C	0847	88-108-000-080	C-JUMPER,U	a
MAIN	X C	0848	88-108-000-080	C-JUMPER,U	a
MAIN	X C	0849	88-108-000-080	C-JUMPER,U	a

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					CX-ZA65 LHSC
MAIN	O C	0850	87-010-260-080	CAP,E 47-25 M 11L SME	a
MAIN	O C	0851	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0852	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0853	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0858	87-010-831-080	C-CAP,U 0.1-16 Z F	a
MAIN	O C	0901	87-018-145-080	CAP,TC U 6.8P-50 K CH UP050	a
MAIN	O C	0904	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0905	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0907	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0908	87-A10-915-080	C-CAP,U 1000P-25 J CH	a
MAIN	O C	0909	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0910	87-012-174-080	C-CAP,U 12P-50 J CH	a
MAIN	O C	0911	87-012-170-080	C-CAP,U 8P-50 D CH	a
MAIN	O C	0912	87-012-195-080	C-CAP,U 100P-50 J CH	a
MAIN	O C	0913	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0914	87-012-166-080	C-CAP,U 4P-50 C CH	a
MAIN	O C	0915	87-012-174-080	C-CAP,U 12P-50 J CH	a
MAIN	O C	0916	87-012-180-080	C-CAP,U 22P-50 J CH	a
MAIN	O C	0917	87-012-186-080	C-CAP,U 39P-50 J CH	a
MAIN	O C	0918	87-A10-039-080	C-CAP,U 470P-50 J CH	a
					CX-ZA65 LHSC
MAIN	O C	0921	87-012-195-080	C-CAP,U 100P-50 J CH	a
MAIN	O C	0922	87-012-174-080	C-CAP,U 12P-50 J CH	a
MAIN	X C	0940	88-108-000-080	C-JUMPER,U	a
MAIN	O C	0959	87-010-831-080	C-CAP,U 0.1-16 Z F	a
MAIN	O C	0960	87-010-831-080	C-CAP,U 0.1-16 Z F	a
MAIN	O C	0961	87-012-167-080	C-CAP,U 5P-50 C CH	a
MAIN	O C	0963	87-015-785-080	C-CAP, 0.1-25 Z F C3216	a
MAIN	O C	0971	87-010-381-080	CAP,E 330-16 M SME	a
MAIN	O C	0972	87-010-404-080	CAP,E 4.7-50 M 11L SME	a
MAIN	O C	0973	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0974	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0979	87-012-195-080	C-CAP,U 100P-50 J CH	a
MAIN	O C	0981	87-010-260-080	CAP,E 47-25 M 11L SME	a
MAIN	O C	0982	87-010-831-080	C-CAP,U 0.1-16 Z F	a
MAIN	O C	0983	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0984	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0987	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	O C	0991	87-012-176-080	C-CAP,U 15P-50 J CH	a
MAIN	O C	0992	87-012-176-080	C-CAP,U 15P-50 J CH	a
MAIN	O C	0993	87-012-274-080	C-CAP,U 1000P-50 K B	a
					CX-ZA65 LHSC
MAIN	O C	0995	87-012-274-080	C-CAP,U 1000P-50 K B	a
MAIN	O C	0997	87-010-831-080	C-CAP,U 0.1-16 Z F	a
MAIN	O C	0998	87-010-260-080	CAP,E 47-25 M 11L SME	a
MAIN	O C	0999	87-A11-155-080	CAP,TC U 0.01-16 Z F	a
MAIN	O CF	0831	87-008-261-010	FLTR,CF SFE10.7MA5	a
MAIN	O CF	0832	87-008-261-010	FLTR,CF SFE10.7MA5	a
MAIN	X CLP0302	87-A60-884-010	PIN,DIA1 COATING-SHS		a
MAIN	X CLP0601	8B-MA6-646-010	WIRE ASSY,LUG		a
MAIN	O CN	0301	87-A60-620-010	CONN,3P V 2MM JMT	a
MAIN	O CN	0351	87-A60-625-010	CONN,8P V 2MM JMT	a
MAIN	O CN	0501	87-099-564-010	CONN,4P V TUC-P4P-B1	a
MAIN	O CN	0601	87-099-719-010	CONN,30P H BLK TYK-B(X)	a
MAIN	O CN	0602	87-A60-131-010	CONN,6P V FE	a
MAIN	O CNA0001	8A-NF8-653-010	CONN ASSY,9P TID-A(480)		a
MAIN	S D	0009	87-017-447-010	DIODE,GBU4DL-6419	a
MAIN	S D	0010	87-017-447-010	DIODE,GBU4DL-6419	a
MAIN	S D	0025	87-A40-553-080	DIODE,1N4003 LES	a
MAIN	S D	0026	87-A40-553-080	DIODE,1N4003 LES	a
MAIN	S D	0027	87-A40-553-080	DIODE,1N4003 LES	a
MAIN	S D	0028	87-A40-553-080	DIODE,1N4003 LES	a
					CX-ZA65 LHSC
MAIN	S D	0029	87-A40-780-080	ZENER,UZ33BSD	a
MAIN	S D	0030	87-020-465-080	DIODE,1SS133	a
MAIN	S D	0031	87-A40-764-080	ZENER,UZ10BSC	a
MAIN	S D	0033	87-A40-553-080	DIODE,1N4003 LES	a
MAIN	S D	0034	87-020-465-080	DIODE,1SS133	a
MAIN	S D	0035	87-020-465-080	DIODE,1SS133	a
MAIN	S D	0041	87-A40-270-080	C-DIODE,MC2838	a
MAIN	S D	0042	87-A40-269-080	C-DIODE,MC2836	a
MAIN	S D	0060	87-020-465-080	DIODE,1SS133	a
MAIN	S D	0062	87-A40-270-080	C-DIODE,MC2838	a
MAIN	S D	0063	87-A40-270-080	C-DIODE,MC2838	a
MAIN	S D	0064	87-A40-269-080	C-DIODE,MC2836	a
MAIN	S D	0065	87-A40-269-080	C-DIODE,MC2836	a
MAIN	S D	0071	87-A40-269-080	C-DIODE,MC2836	a
MAIN	S D	0072	87-A40-270-080	C-DIODE,MC2838	a
MAIN	S D	0076	87-A40-269-080	C-DIODE,MC2836	a
MAIN	S D	0077	87-A40-270-080	C-DIODE,MC2838	a
MAIN	S D	0101	87-A40-269-080	C-DIODE,MC2836	a
MAIN	S D	0103	87-020-465-080	DIODE,1SS133	a
MAIN	S D	0104	87-020-465-080	DIODE,1SS133	a

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					CX-ZA65 LHSC
MAIN	S D	0105	87-020-465-080	DIODE,1SS133	a
MAIN	S D	0106	87-020-465-080	DIODE,1SS133	a
MAIN	S D	0107	87-020-465-080	DIODE,1SS133	a
MAIN	S D	0108	87-020-465-080	DIODE,1SS133	a
MAIN	S D	0115	87-A40-270-080	C-DIODE,MC2838	a
MAIN	S D	0117	87-020-465-080	DIODE,1SS133	a
MAIN	S D	0118	87-020-465-080	DIODE,1SS133	a
MAIN	S D	0150	87-A40-270-080	C-DIODE,MC2838	a
MAIN	S D	0160	87-A40-270-080	C-DIODE,MC2838	a
MAIN	S D	0185	87-A40-646-010	DIODE,FMB-G16L	a
MAIN	S D	0186	87-A40-646-010	DIODE,FMB-G16L	a
MAIN	S D	0187	87-A40-002-080	ZENER,MTZJ5.1C	a
MAIN	S D	0188	87-A40-749-080	ZENER,UZ5.6BSB	a
MAIN	S D	0189	87-A40-270-080	C-DIODE,MC2838	a
MAIN	S D	0190	87-A40-269-080	C-DIODE,MC2836	a
MAIN	S D	0191	87-A40-764-080	ZENER,UZ10BSC	a
MAIN	S D	0192	87-020-465-080	DIODE,1SS133	a
MAIN	S D	0193	87-020-465-080	DIODE,1SS133	a
MAIN	S D	0401	87-020-465-080	DIODE,1SS133	a
MAIN	S D	0501	87-A40-270-080	C-DIODE,MC2838	a
					CX-ZA65 LHSC
MAIN	S D	0601	87-A40-539-080	ZENER,MTZJ2.4A	a
MAIN	S D	0602	87-A40-539-080	ZENER,MTZJ2.4A	a
MAIN	X D	0801	88-100-000-010	PLATING-JW, 0.58 SN95	a
MAIN	S D	0803	87-A40-291-080	DIODE,1N4148M (CPT)	a
MAIN	O D	0902	87-A40-128-080	C-VARI-CAP,HVU202A	a
MAIN	O D	0903	87-A40-128-080	C-VARI-CAP,HVU202A	a
MAIN	X D	0944	88-100-000-010	PLATING-JW, 0.58 SN95	a
MAIN	S D	0991	87-017-149-080	ZENER,HZS6A2L	a
MAIN	S D	0994	87-020-465-080	DIODE,1SS133	a
MAIN	X FB	0301	88-100-000-010	PLATING-JW, 0.58 SN95	a
MAIN	X FB	0302	88-108-000-080	C-JUMPER,U	a
MAIN	X FB	0602	88-100-000-010	PLATING-JW, 0.58 SN95	a
MAIN	O FFC	0602	88-906-321-110	FF-CABLE, 6P 1.25 320MM	a
MAIN	S IC	0301	87-A21-419-040	C-IC,NJM14558MD-TE2	a
MAIN	S IC	0401	87-A21-893-040	C-IC,NJM14558V-TE2	a
MAIN	S IC	0601	87-A21-443-040	C-IC,M62495AFP	a
MAIN	S IC	0801	87-A21-695-010	IC,LA1845L	a
MAIN	S IC	0991	87-A21-928-010	IC,LC72131D-N	a
MAIN	O J	0201	87-A60-488-010	JACK,DIA6.3 BLK ST W/SW KM16AT	a
MAIN	O J	0203	87-A60-238-010	TERMINAL,SP 4P (MSC)	a
					CX-ZA65 LHSC
MAIN	O J	0602	87-A60-881-010	JACK,PIN 2P MSP 242V05 PBSN	a
MAIN	O J	0831	87-A60-202-010	TERMINAL,ANT 4P MSP-154V-02	a
MAIN	X JR	0105	88-128-273-080	C-RES, 27K-1/8W J	a
MAIN	O JR	0123	87-A10-596-080	C-CAP,S 100P-100 J CH	a
MAIN	O JR	0124	87-A10-596-080	C-CAP,S 100P-100 J CH	a
MAIN	X JR	0404	88-128-150-080	C-RES, 15-1/8W J	a
MAIN	X JR	0835	88-108-561-080	C-RES,U 560-1/16W J	a
MAIN	O L	0201	87-A50-610-010	COIL,1UH K(MDEC)	a
MAIN	O L	0202	87-A50-610-010	COIL,1UH K(MDEC)	a
MAIN	O L	0451	87-007-342-010	COIL,OSC 85KHZ BIAS	a
MAIN	O L	0801	87-A50-608-010	COIL,FM DET-N(TOK)	a
MAIN	O L	0802	87-A91-551-010	FLTR,PCFJZH-450 L(TOK)	a
MAIN	O L	0811	87-005-847-080	COIL,2.2UH K CECS	a
MAIN	O L	0832	87-005-847-080	COIL,2.2UH K CECS	a
MAIN	O L	0902	88-ZA1-602-110	COIL,FM-RF-U2 2G	a
MAIN	O L	0903	88-ZA1-601-010	COIL,FM-RF-U1 2G	a
MAIN	O L	0904	87-005-847-080	COIL,2.2UH K CECS	a
MAIN	O L	0905	88-ZA1-624-010	COIL,FM IFT 7-6.2 (COILS)	a
MAIN	O L	0906	88-ZA1-603-010	COIL,FM-OSC-U 2G	a
MAIN	O L	0951	8A-NF8-667-010	COIL,AM PACK 4(TOK)	a
					CX-ZA65 LHSC
MAIN	S Q	0001	87-A30-494-080	TR,2SA1980G	a
MAIN	S Q	0002	87-A30-494-080	TR,2SA1980G	a
MAIN	S Q	0003	87-A30-559-010	TR,CSB1370EF	a
MAIN	S Q	0005	87-A30-492-080	TR,2SC5343G	a
MAIN	S Q	0006	87-A30-076-080	C-TR,2SC3052F	a
MAIN	S Q	0008	87-A30-075-080	C-TR,2SA1235F	a
MAIN	S Q	0009	87-A30-494-080	TR,2SA1980G	a
MAIN	S Q	0010	87-A30-076-080	C-TR,2SC3052F	a
MAIN	S Q	0059	87-A30-635-040	C-TR,SBT5401F	a
MAIN	S Q	0060	87-A30-076-080	C-TR,2SC3052F	a
MAIN	S Q	0061	87-A30-075-080	C-TR,2SA1235F	a
MAIN	S Q	0062	87-A30-076-080	C-TR,2SC3052F	a
MAIN	S Q	0063	87-A30-075-080	C-TR,2SA1235F	a
MAIN	S Q	0064	87-A30-076-080	C-TR,2SC3052F	a
MAIN	S Q	0065	87-A30-538-040	C-TR,SRA2202S	a
MAIN	S Q	0101	87-A30-076-080	C-TR,2SC3052F	a
MAIN	S Q	0102	87-A30-076-080	C-TR,2SC3052F	a
MAIN	S Q	0103	87-A30-635-040	C-TR,SBT5401F	a
MAIN	S Q	0104	87-A30-635-040	C-TR,SBT5401F	a
MAIN	S Q	0105	87-A30-635-040	C-TR,SBT5401F	a

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					CX-ZA65 LHSC
MAIN	S Q	0106	87-A30-635-040	C-TR, SBT5401F	a
MAIN	S Q	0107	87-A30-076-080	C-TR, 2SC3052F	a
MAIN	S Q	0108	87-A30-076-080	C-TR, 2SC3052F	a
MAIN	S Q	0109	87-A30-076-080	C-TR, 2SC3052F	a
MAIN	S Q	0110	87-A30-076-080	C-TR, 2SC3052F	a
MAIN	S Q	0111	87-A30-672-080	TR, 2N5551C	a
MAIN	S Q	0112	87-A30-672-080	TR, 2N5551C	a
MAIN	S Q	0113	87-A30-076-080	C-TR, 2SC3052F	a
MAIN	S Q	0114	87-A30-076-080	C-TR, 2SC3052F	a
MAIN	S Q	0115	87-A30-636-040	C-TR, SBT5551F	a
MAIN	S Q	0116	87-A30-636-040	C-TR, SBT5551F	a
MAIN	S Q	0121	87-A30-672-080	TR, 2N5551C	a
MAIN	S Q	0122	87-A30-672-080	TR, 2N5551C	a
MAIN	S Q	0123	87-A30-635-040	C-TR, SBT5401F	a
MAIN	S Q	0124	87-A30-635-040	C-TR, SBT5401F	a
MAIN	S Q	0126	87-A30-635-040	C-TR, SBT5401F	a
MAIN	S Q	0127	87-A30-076-080	C-TR, 2SC3052F	a
MAIN	S Q	0128	87-A30-076-080	C-TR, 2SC3052F	a
MAIN	S Q	0130	87-A30-636-040	C-TR, SBT5551F	a
MAIN	S Q	0131	87-A30-098-010	TR, FP1016	a
					CX-ZA65 LHSC
MAIN	S Q	0132	87-A30-098-010	TR, FP1016	a
MAIN	S Q	0133	87-A30-097-010	TR, FN1016	a
MAIN	S Q	0134	87-A30-097-010	TR, FN1016	a
MAIN	S Q	0183	87-A30-162-010	FET, 2SK2937	a
MAIN	S Q	0184	87-A30-162-010	FET, 2SK2937	a
MAIN	S Q	0185	87-A30-076-080	C-TR, 2SC3052F	a
MAIN	S Q	0186	87-A30-075-080	C-TR, 2SA1235F	a
MAIN	S Q	0187	87-A30-075-080	C-TR, 2SA1235F	a
MAIN	S Q	0235	87-A30-075-080	C-TR, 2SA1235F	a
MAIN	S Q	0301	87-A30-091-080	FET, 2SJ460	a
MAIN	S Q	0302	87-A30-091-080	FET, 2SJ460	a
MAIN	S Q	0303	87-A30-090-080	FET, 2SK2541	a
MAIN	S Q	0304	87-A30-090-080	FET, 2SK2541	a
MAIN	S Q	0305	87-A30-091-080	FET, 2SJ460	a
MAIN	S Q	0306	87-A30-586-040	C-TR, SRC1204S	a
MAIN	S Q	0307	87-A30-091-080	FET, 2SJ460	a
MAIN	S Q	0308	87-A30-091-080	FET, 2SJ460	a
MAIN	S Q	0309	87-A30-075-080	C-TR, 2SA1235F	a
MAIN	S Q	0310	87-A30-075-080	C-TR, 2SA1235F	a
MAIN	S Q	0443	87-A30-075-080	C-TR, 2SA1235F	a
					CX-ZA65 LHSC
MAIN	S Q	0444	87-A30-075-080	C-TR, 2SA1235F	a
MAIN	S Q	0451	87-A30-495-080	TR, 2SA1981Y	a
MAIN	S Q	0453	87-A30-492-080	TR, 2SC5343G	a
MAIN	S Q	0454	87-A30-492-080	TR, 2SC5343G	a
MAIN	S Q	0601	87-A30-087-080	C-FET, 2SK2158	a
MAIN	S Q	0602	87-A30-087-080	C-FET, 2SK2158	a
MAIN	S Q	0605	87-A30-090-080	FET, 2SK2541	a
MAIN	S Q	0606	87-A30-090-080	FET, 2SK2541	a
MAIN	S Q	0607	87-A30-076-080	C-TR, 2SC3052F	a
MAIN	S Q	0835	89-327-143-080	C-TR, 2SC27140	a
MAIN	S Q	0836	87-A30-677-040	C-TR, SRA2207S	a
MAIN	S Q	0901	89-503-602-080	C-FET, 2SK360E	a
MAIN	S Q	0902	89-327-143-080	C-TR, 2SC27140	a
MAIN	S Q	0903	89-327-143-080	C-TR, 2SC27140	a
MAIN	S Q	0981	87-A30-196-080	TR, 2SC4115SRS	a
MAIN	X R	0001	88-100-000-010	PLATING-JW, 0.58 SN95	a
MAIN	X R	0005	88-100-000-010	PLATING-JW, 0.58 SN95	a
MAIN	X R	0009	88-108-273-080	C-RES, U 27K-1/16W J	a
MAIN	X R	0010	88-108-273-080	C-RES, U 27K-1/16W J	a
MAIN	X R	0011	88-108-472-080	C-RES, U 4.7K-1/16W J	a
					CX-ZA65 LHSC
MAIN	X R	0012	88-108-472-080	C-RES, U 4.7K-1/16W J	a
MAIN	X R	0013	88-108-102-080	C-RES, U 1K-1/16W J	a
MAIN	X R	0014	88-108-100-080	C-RES, U 10-1/16W J	a
MAIN	X R	0015	88-108-104-080	C-RES, U 100K-1/16W J	a
MAIN	X R	0016	88-108-333-080	C-RES, U 33K-1/16W J	a
MAIN	X R	0017	88-130-151-080	RES, 150-1/4W J	a
MAIN	X R	0018	88-108-221-080	C-RES, U 220-1/16W J	a
MAIN	X R	0019	88-108-000-080	C-JUMPER, U	a
MAIN	X R	0020	88-121-680-080	RES, 68-1/8W J	a
MAIN	X R	0021	88-108-472-080	C-RES, U 4.7K-1/16W J	a
MAIN	X R	0022	88-108-221-080	C-RES, U 220-1/16W J	a
MAIN	X R	0023	88-108-103-080	C-RES, U 10K-1/16W J	a
MAIN	X R	0027	88-108-471-080	C-RES, U 470-1/16W J	a
MAIN	X R	0028	88-108-103-080	C-RES, U 10K-1/16W J	a
MAIN	X R	0029	88-108-222-080	C-RES, U 2.2K-1/16W J	a
MAIN	X R	0030	88-108-333-080	C-RES, U 33K-1/16W J	a
MAIN	X R	0031	88-108-473-080	C-RES, U 47K-1/16W J	a
MAIN	X R	0032	88-121-102-080	RES, 1K-1/8W J	a
MAIN	X R	0033	88-108-101-080	C-RES, U 100-1/16W J	a
MAIN	X R	0034	88-108-394-080	C-RES, U 390K-1/16W J	a

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					CX-ZA65 LHSC
MAIN	X R	0037	88-128-680-080	C-RES, 68-1/8W J	a
MAIN	X R	0038	88-130-151-080	RES,150-1/4W J	a
MAIN	X R	0039	88-128-680-080	C-RES, 68-1/8W J	a
MAIN	X R	0040	88-108-333-080	C-RES,U 33K-1/16W J	a
MAIN	X R	0042	88-130-151-080	RES,150-1/4W J	a
MAIN	X R	0043	88-130-151-080	RES,150-1/4W J	a
MAIN	X R	0044	88-128-680-080	C-RES, 68-1/8W J	a
MAIN	X R	0045	88-128-680-080	C-RES, 68-1/8W J	a
MAIN	X R	0046	88-130-151-080	RES,150-1/4W J	a
MAIN	X R	0047	88-130-151-080	RES,150-1/4W J	a
MAIN	X R	0048	88-121-153-080	RES,15K-1/8W J	a
MAIN	X R	0050	88-128-680-080	C-RES, 68-1/8W J	a
MAIN	X R	0051	88-128-680-080	C-RES, 68-1/8W J	a
MAIN	X R	0052	88-108-183-080	C-RES,U 18K-1/16W J	a
MAIN	X R	0054	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN	X R	0055	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN	X R	0056	88-108-822-080	C-RES,U 8.2K-1/16W J	a
MAIN	X R	0057	88-108-272-080	C-RES,U 2.7K-1/16W J	a
MAIN	X R	0058	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN	X R	0059	88-108-103-080	C-RES,U 10K-1/16W J	a
					CX-ZA65 LHSC
MAIN	X R	0060	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN	X R	0061	88-108-333-080	C-RES,U 33K-1/16W J	a
MAIN	X R	0062	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN	X R	0063	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN	X R	0064	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0065	88-108-123-080	C-RES,U 12K-1/16W J	a
MAIN	X R	0066	88-108-104-080	C-RES,U 100K-1/16W J	a
MAIN	X R	0067	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0068	88-108-224-080	C-RES,U 220K-1/16W J	a
MAIN	X R	0069	88-108-224-080	C-RES,U 220K-1/16W J	a
MAIN	X R	0070	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0071	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN	X R	0072	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN	X R	0073	88-128-680-080	C-RES, 68-1/8W J	a
MAIN	X R	0074	88-128-680-080	C-RES, 68-1/8W J	a
MAIN	X R	0076	88-108-562-080	C-RES,U 5.6K-1/16W J	a
MAIN	X R	0077	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0078	88-108-393-080	C-RES,U 39K-1/16W J	a
MAIN	X R	0079	88-108-153-080	C-RES,U 15K-1/16W J	a
MAIN	X R	0080	88-121-153-080	RES,15K-1/8W J	a
					CX-ZA65 LHSC
MAIN	X R	0081	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN	X R	0085	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0087	88-121-153-080	RES,15K-1/8W J	a
MAIN	X R	0093	88-108-823-080	C-RES,U 82K-1/16W J	a
MAIN	X R	0094	88-108-393-080	C-RES,U 39K-1/16W J	a
MAIN	X R	0095	88-108-153-080	C-RES,U 15K-1/16W J	a
MAIN	X R	0096	88-108-823-080	C-RES,U 82K-1/16W J	a
MAIN	X R	0101	88-108-392-080	C-RES,U 3.9K-1/16W J	a
MAIN	X R	0102	88-108-392-080	C-RES,U 3.9K-1/16W J	a
MAIN	X R	0103	88-108-153-080	C-RES,U 15K-1/16W J	a
MAIN	X R	0104	88-108-153-080	C-RES,U 15K-1/16W J	a
MAIN	X R	0105	88-108-393-080	C-RES,U 39K-1/16W J	a
MAIN	X R	0106	88-108-393-080	C-RES,U 39K-1/16W J	a
MAIN	X R	0107	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN	X R	0108	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN	X R	0111	88-108-821-080	C-RES,U 820-1/16W J	a
MAIN	X R	0112	88-108-821-080	C-RES,U 820-1/16W J	a
MAIN	X R	0113	88-108-393-080	C-RES,U 39K-1/16W J	a
MAIN	X R	0114	88-108-393-080	C-RES,U 39K-1/16W J	a
MAIN	X R	0117	88-108-103-080	C-RES,U 10K-1/16W J	a
					CX-ZA65 LHSC
MAIN	X R	0118	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0119	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN	X R	0120	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN	X R	0121	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN	X R	0122	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN	X R	0123	88-128-332-080	C-RES, 3.3K-1/8W J	a
MAIN	X R	0124	88-128-332-080	C-RES, 3.3K-1/8W J	a
MAIN	X R	0125	88-128-332-080	C-RES, 3.3K-1/8W J	a
MAIN	X R	0126	88-128-332-080	C-RES, 3.3K-1/8W J	a
MAIN	X R	0127	88-108-390-080	C-RES,U 39-1/16W J	a
MAIN	X R	0128	88-108-390-080	C-RES,U 39-1/16W J	a
MAIN	O R	0129	87-A00-262-080	RES,M/F 0.15-2W J	a
MAIN	O R	0130	87-A00-262-080	RES,M/F 0.15-2W J	a
MAIN	O R	0131	87-A00-262-080	RES,M/F 0.15-2W J	a
MAIN	O R	0132	87-A00-262-080	RES,M/F 0.15-2W J	a
MAIN	X R	0133	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN	X R	0134	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN	X R	0135	88-108-122-080	C-RES,U 1.2K-1/16W J	a
MAIN	X R	0136	88-108-122-080	C-RES,U 1.2K-1/16W J	a
MAIN	X R	0137	88-108-101-080	C-RES,U 100-1/16W J	a

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					CX-ZA65 LHSC
MAIN	X R	0138	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN	X R	0141	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0142	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0151	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN	X R	0152	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN	X R	0153	88-108-390-080	C-RES,U 39-1/16W J	a
MAIN	X R	0154	88-108-390-080	C-RES,U 39-1/16W J	a
MAIN	X R	0155	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN	X R	0156	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN	X R	0157	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN	X R	0158	88-128-272-080	C-RES, 2.7K-1/8W J	a
MAIN	X R	0159	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0160	88-121-103-080	RES,10K-1/8W J	a
MAIN	X R	0161	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN	X R	0162	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN	X R	0163	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN	X R	0164	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN	X R	0165	88-108-152-080	C-RES,U 1.5K-1/16W J	a
MAIN	X R	0166	88-108-152-080	C-RES,U 1.5K-1/16W J	a
MAIN	X R	0167	88-108-103-080	C-RES,U 10K-1/16W J	a
					CX-ZA65 LHSC
MAIN	X R	0168	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN	X R	0169	88-108-271-080	C-RES,U 270-1/16W J	a
MAIN	X R	0170	88-108-271-080	C-RES,U 270-1/16W J	a
MAIN	X R	0171	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN	X R	0172	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN	X R	0173	88-108-152-080	C-RES,U 1.5K-1/16W J	a
MAIN	X R	0174	88-108-152-080	C-RES,U 1.5K-1/16W J	a
MAIN	X R	0175	88-108-331-080	C-RES,U 330-1/16W J	a
MAIN	X R	0176	88-108-331-080	C-RES,U 330-1/16W J	a
MAIN	X R	0177	88-128-272-080	C-RES, 2.7K-1/8W J	a
MAIN	X R	0178	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0179	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0180	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0181	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0182	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0184	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0185	88-108-332-080	C-RES,U 3.3K-1/16W J	a
MAIN	X R	0186	88-118-681-080	C-RES,S 680-1/10W J	a
MAIN	X R	0187	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0188	88-118-152-080	C-RES,S 1.5K-1/10W J	a
					CX-ZA65 LHSC
MAIN	X R	0189	88-128-272-080	C-RES, 2.7K-1/8W J	a
MAIN	X R	0190	88-128-272-080	C-RES, 2.7K-1/8W J	a
MAIN	X R	0192	88-128-272-080	C-RES, 2.7K-1/8W J	a
MAIN	X R	0193	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0194	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0195	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN	X R	0196	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN	X R	0197	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN	X R	0198	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN	X R	0199	88-108-225-080	C-RES,U 2.2M-1/16W J	a
MAIN	X R	0213	88-108-273-080	C-RES,U 27K-1/16W J	a
MAIN	X R	0217	88-108-683-080	C-RES,U 68K-1/16W J	a
MAIN	X R	0218	88-108-105-080	C-RES,U 1M-1/16W J	a
MAIN	X R	0219	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	O R	0243	87-A01-002-050	RES,270-1/2W J BLT2J	a
MAIN	O R	0244	87-A01-002-050	RES,270-1/2W J BLT2J	a
MAIN	O R	0245	87-A00-442-050	RES,330-1/2W J RP	a
MAIN	O R	0246	87-A00-442-050	RES,330-1/2W J RP	a
MAIN	X R	0247	88-130-100-080	RES,10-1/4W J	a
MAIN	X R	0248	88-130-100-080	RES,10-1/4W J	a
					CX-ZA65 LHSC
MAIN	X R	0249	88-128-100-080	C-RES, 10-1/8W J	a
MAIN	X R	0250	88-121-100-080	RES,10-1/8W J	a
MAIN	X R	0265	88-128-222-080	C-RES, 2.2K-1/8W J	a
MAIN	X R	0266	88-128-222-080	C-RES, 2.2K-1/8W J	a
MAIN	X R	0301	88-108-393-080	C-RES,U 39K-1/16W J	a
MAIN	X R	0302	88-108-393-080	C-RES,U 39K-1/16W J	a
MAIN	X R	0303	88-108-104-080	C-RES,U 100K-1/16W J	a
MAIN	X R	0304	88-108-104-080	C-RES,U 100K-1/16W J	a
MAIN	X R	0305	88-108-224-080	C-RES,U 220K-1/16W J	a
MAIN	X R	0306	88-108-682-080	C-RES,U 6.8K-1/16W J	a
MAIN	X R	0307	88-108-471-080	C-RES,U 470-1/16W J	a
MAIN	X R	0308	88-108-471-080	C-RES,U 470-1/16W J	a
MAIN	X R	0309	88-108-680-080	C-RES,U 68-1/16W J	a
MAIN	X R	0310	88-108-680-080	C-RES,U 68-1/16W J	a
MAIN	X R	0313	88-108-183-080	C-RES,U 18K-1/16W J	a
MAIN	X R	0314	88-108-183-080	C-RES,U 18K-1/16W J	a
MAIN	X R	0315	88-108-394-080	C-RES,U 390K-1/16W J	a
MAIN	X R	0316	88-108-394-080	C-RES,U 390K-1/16W J	a
MAIN	X R	0317	88-108-122-080	C-RES,U 1.2K-1/16W J	a
MAIN	X R	0318	88-108-122-080	C-RES,U 1.2K-1/16W J	a

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					CX-ZA65 LHSC
MAIN	X R	0319	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN	X R	0321	88-108-000-080	C-JUMPER,U	a
MAIN	X R	0322	88-108-000-080	C-JUMPER,U	a
MAIN	X R	0375	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0376	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0377	88-121-101-080	RES,100-1/8W J	a
MAIN	X R	0399	88-108-105-080	C-RES,U 1M-1/16W J	a
MAIN	X R	0401	88-108-104-080	C-RES,U 100K-1/16W J	a
MAIN	X R	0402	88-108-104-080	C-RES,U 100K-1/16W J	a
MAIN	X R	0403	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0404	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0405	88-108-823-080	C-RES,U 82K-1/16W J	a
MAIN	X R	0406	88-108-823-080	C-RES,U 82K-1/16W J	a
MAIN	X R	0407	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0408	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0409	88-108-122-080	C-RES,U 1.2K-1/16W J	a
MAIN	X R	0410	88-108-122-080	C-RES,U 1.2K-1/16W J	a
MAIN	X R	0411	88-108-153-080	C-RES,U 15K-1/16W J	a
MAIN	X R	0412	88-108-153-080	C-RES,U 15K-1/16W J	a
MAIN	X R	0413	88-108-222-080	C-RES,U 2.2K-1/16W J	a
					CX-ZA65 LHSC
MAIN	X R	0414	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN	X R	0415	88-108-681-080	C-RES,U 680-1/16W J	a
MAIN	X R	0416	88-108-681-080	C-RES,U 680-1/16W J	a
MAIN	X R	0417	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0418	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0419	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN	X R	0420	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN	X R	0421	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN	X R	0422	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN	X R	0423	88-108-183-080	C-RES,U 18K-1/16W J	a
MAIN	X R	0424	88-108-183-080	C-RES,U 18K-1/16W J	a
MAIN	X R	0453	88-108-152-080	C-RES,U 1.5K-1/16W J	a
MAIN	X R	0454	88-128-829-080	C-RES, 8.2-1/8W J	a
MAIN	X R	0455	88-108-183-080	C-RES,U 18K-1/16W J	a
MAIN	X R	0456	88-108-183-080	C-RES,U 18K-1/16W J	a
MAIN	X R	0457	88-130-100-080	RES,10-1/4W J	a
MAIN	X R	0458	88-121-104-080	RES,100K-1/8W J	a
MAIN	X R	0459	88-128-150-080	C-RES, 15-1/8W J	a
MAIN	X R	0460	88-140-100-080	RES,10-1/2W J	a
MAIN	X R	0511	88-121-472-080	RES,4.7K-1/8W J	a
					CX-ZA65 LHSC
MAIN	X R	0512	88-121-472-080	RES,4.7K-1/8W J	a
MAIN	X R	0601	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0602	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0603	88-108-682-080	C-RES,U 6.8K-1/16W J	a
MAIN	X R	0604	88-108-682-080	C-RES,U 6.8K-1/16W J	a
MAIN	X R	0605	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0606	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0607	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0608	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0609	88-108-152-080	C-RES,U 1.5K-1/16W J	a
MAIN	X R	0610	88-121-152-080	RES,1.5K-1/8W J	a
MAIN	X R	0611	88-108-682-080	C-RES,U 6.8K-1/16W J	a
MAIN	X R	0612	88-108-682-080	C-RES,U 6.8K-1/16W J	a
MAIN	X R	0613	88-100-000-010	PLATING-JW, 0.58 SN95	a
MAIN	X R	0614	88-100-000-010	PLATING-JW, 0.58 SN95	a
MAIN	X R	0615	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0616	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0618	88-108-332-080	C-RES,U 3.3K-1/16W J	a
MAIN	X R	0619	88-108-273-080	C-RES,U 27K-1/16W J	a
MAIN	X R	0620	88-108-273-080	C-RES,U 27K-1/16W J	a
					CX-ZA65 LHSC
MAIN	X R	0621	88-108-824-080	C-RES,U 820K-1/16W J	a
MAIN	X R	0622	88-108-824-080	C-RES,U 820K-1/16W J	a
MAIN	X R	0625	88-121-472-080	RES,4.7K-1/8W J	a
MAIN	X R	0626	88-121-103-080	RES,10K-1/8W J	a
MAIN	X R	0627	88-108-123-080	C-RES,U 12K-1/16W J	a
MAIN	X R	0628	88-121-332-080	RES,3.3K-1/8W J	a
MAIN	X R	0631	88-108-104-080	C-RES,U 100K-1/16W J	a
MAIN	X R	0632	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0633	88-108-563-080	C-RES,U 56K-1/16W J	a
MAIN	X R	0634	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN	X R	0635	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN	X R	0637	88-108-182-080	C-RES,U 1.8K-1/16W J	a
MAIN	X R	0638	88-108-182-080	C-RES,U 1.8K-1/16W J	a
MAIN	X R	0639	88-108-273-080	C-RES,U 27K-1/16W J	a
MAIN	X R	0640	88-108-273-080	C-RES,U 27K-1/16W J	a
MAIN	X R	0649	88-108-562-080	C-RES,U 5.6K-1/16W J	a
MAIN	X R	0650	88-108-562-080	C-RES,U 5.6K-1/16W J	a
MAIN	X R	0653	88-108-000-080	C-JUMPER,U	a
MAIN	X R	0654	88-108-000-080	C-JUMPER,U	a
MAIN	X R	0661	88-108-123-080	C-RES,U 12K-1/16W J	a

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					CX-ZA65 LHSC
MAIN	X R	0662	88-108-123-080	C-RES,U 12K-1/16W J	a
MAIN	O R	0790	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN	X R	0791	88-108-000-080	C-JUMPER,U	a
MAIN	X R	0793	88-108-000-080	C-JUMPER,U	a
MAIN	X R	0795	88-108-000-080	C-JUMPER,U	a
MAIN	X R	0801	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0802	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN	X R	0803	88-128-183-080	C-RES, 18K-1/8W J	a
MAIN	X R	0804	88-108-000-080	C-JUMPER,U	a
MAIN	X R	0805	88-108-332-080	C-RES,U 3.3K-1/16W J	a
MAIN	X R	0806	88-108-682-080	C-RES,U 6.8K-1/16W J	a
MAIN	X R	0809	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0810	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0811	88-108-000-080	C-JUMPER,U	a
MAIN	X R	0812	88-108-000-080	C-JUMPER,U	a
MAIN	X R	0813	88-108-224-080	C-RES,U 220K-1/16W J	a
MAIN	X R	0814	88-108-105-080	C-RES,U 1M-1/16W J	a
MAIN	X R	0815	88-121-682-080	RES,6.8K-1/8W J	a
MAIN	X R	0818	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0821	88-108-000-080	C-JUMPER,U	a
					CX-ZA65 LHSC
MAIN	X R	0823	88-108-333-080	C-RES,U 33K-1/16W J	a
MAIN	X R	0824	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0825	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN	X R	0826	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN	X R	0832	88-108-391-080	C-RES,U 390-1/16W J	a
MAIN	X R	0836	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0840	88-108-221-080	C-RES,U 220-1/16W J	a
MAIN	X R	0850	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0851	88-108-000-080	C-JUMPER,U	a
MAIN	X R	0852	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0853	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0854	88-108-331-080	C-RES,U 330-1/16W J	a
MAIN	X R	0855	88-108-183-080	C-RES,U 18K-1/16W J	a
MAIN	X R	0856	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0857	88-108-181-080	C-RES,U 180-1/16W J	a
MAIN	X R	0858	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN	X R	0860	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN	X R	0903	88-108-471-080	C-RES,U 470-1/16W J	a
MAIN	X R	0904	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN	X R	0905	88-108-564-080	C-RES,U 560K-1/16W J	a
					CX-ZA65 LHSC
MAIN	X R	0907	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN	X R	0908	88-108-121-080	C-RES,U 120-1/16W J	a
MAIN	X R	0909	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN	X R	0910	88-108-822-080	C-RES,U 8.2K-1/16W J	a
MAIN	X R	0911	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN	X R	0921	88-108-000-080	C-JUMPER,U	a
MAIN	X R	0945	88-108-104-080	C-RES,U 100K-1/16W J	a
MAIN	X R	0962	88-121-221-080	RES,220-1/8W J	a
MAIN	X R	0963	88-108-330-080	C-RES,U 33-1/16W J	a
MAIN	X R	0975	88-108-562-080	C-RES,U 5.6K-1/16W J	a
MAIN	X R	0976	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0977	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0978	88-108-681-080	C-RES,U 680-1/16W J	a
MAIN	X R	0980	88-108-684-080	C-RES,U 680K-1/16W J	a
MAIN	X R	0981	88-121-471-080	RES,470-1/8W J	a
MAIN	X R	0982	88-108-153-080	C-RES,U 15K-1/16W J	a
MAIN	X R	0983	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN	X R	0984	88-121-181-080	RES,180-1/8W J	a
MAIN	X R	0985	88-121-471-080	RES,470-1/8W J	a
MAIN	X R	0986	88-108-222-080	C-RES,U 2.2K-1/16W J	a
					CX-ZA65 LHSC
MAIN	X R	0987	88-121-472-080	RES,4.7K-1/8W J	a
MAIN	X R	0988	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0989	88-121-102-080	RES,1K-1/8W J	a
MAIN	X R	0990	88-108-563-080	C-RES,U 56K-1/16W J	a
MAIN	O R	0991	87-012-195-080	C-CAP,U 100P-50 J CH	a
MAIN	X R	0992	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	O R	0993	87-012-195-080	C-CAP,U 100P-50 J CH	a
MAIN	X R	0994	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	O R	0995	87-012-195-080	C-CAP,U 100P-50 J CH	a
MAIN	X R	0996	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	X R	0997	88-108-154-080	C-RES,U 150K-1/16W J	a
MAIN	X R	0998	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN	X R	0999	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN	O SFR0451	87-024-435-080	SFR,33K H RH063MC	a	
MAIN	O SFR0452	87-024-435-080	SFR,33K H RH063MC	a	
MAIN	X SH	0901	88-ZA1-605-010	SHLD-CASE,IFT CAP-CASE	a
MAIN	O TH	0101	87-A91-042-080	C-THMS,100K 55001	a
MAIN	O TH	0102	87-A91-042-080	C-THMS,100K 55001	a
MAIN	O WH	0001	87-A90-510-010	HLDR,WIRE 2.5-9P	a
MAIN	O X	0992	87-A70-306-010	VIB,XTAL 4.500MHZ CSA-309ST	a

! = ⚠ SAFETY PARTS
C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
						CX-ZA65	
						LHSC	
PT		O	CN	0101	87-A61-110-010	CONN,9P V TID-A	a
PT		S	D	0101	87-020-465-080	DIODE,1SS133	a
PT		S	D	0102	87-020-465-080	DIODE,1SS133	a
PT		S	D	0103	87-020-465-080	DIODE,1SS133	a
PT		S	D	0104	87-020-465-080	DIODE,1SS133	a
PT	!	S	F	0001	87-035-194-010	FUSE,6.3A 250V T 218	a
PT	!	O	FC	0001	87-A90-160-080	FUSE CLAMP,FC 51F	a
PT	!	O	FC	0002	87-A90-160-080	FUSE CLAMP,FC 51F	a
PT		X	PR	0101	88-100-000-010	PLATING-JW, 0.58 SN95	a
PT		X	PR	0102	88-100-000-010	PLATING-JW, 0.58 SN95	a
PT		X	PR	0103	88-100-000-010	PLATING-JW, 0.58 SN95	a
PT		X	PR	0104	88-100-000-010	PLATING-JW, 0.58 SN95	a
PT	!	O	PT	0001	8B-MA5-663-010	PT,BMA-5 LH	a
PT	!	O	PT	0002	8B-MA6-673-010	PT,SUB BMA H (VRK)	a
PT	!	O	RY	0101	87-A91-339-010	RELAY,AC DC12V G5PA-2	a
PT	!	O	S	0101	87-A90-165-010	SW,SL 1-2-3 SWS2301	a
PT	!	O	T	0001	87-A60-317-010	TERMINAL, 1P MSC	a
PT	!	O	T	0002	87-A60-317-010	TERMINAL, 1P MSC	a

ELECTRICAL PARTS LIST (ZZM – 3)

! = ⚠ SAFETY PARTS
C = Components marked

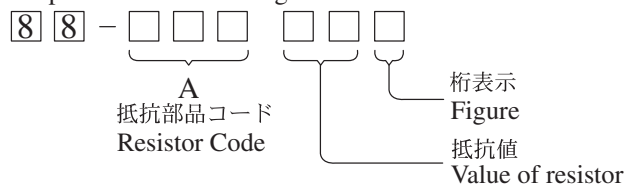
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					ZZM-3 YPRINC
DECK		O CN 1	87-A61-462-010	CONN,11P H D125 SRA	a
DECK		X CRD1	82-ZM3-601-010	RBN-CORD,4P-75	a
DECK		S IC 1	87-A21-269-010	IC,EW732	a
DECK		S IC 2	87-A21-269-010	IC,EW732	a
DECK		X R 1	88-121-392-080	RES,3.9K-1/8W J	a
DECK		O SFR1	87-024-581-010	SFR,3.3K H KVSF637A	a
DECK		O SOL1	82-ZM3-621-210	SOL ASSY,27 KO	a
DECK		O SOL2	82-ZM3-621-210	SOL ASSY,27 KO	a
DECK		O SW 1	87-036-109-010	SW,MICRO SPPB61	a
DECK		O SW 2	87-036-109-010	SW,MICRO SPPB61	a
DECK		O SW 3	87-036-109-010	SW,MICRO SPPB61	a
DECK		O SW 4	87-036-109-010	SW,MICRO SPPB61	a
DECK		O SW 5	87-036-109-010	SW,MICRO SPPB61	a


○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

Chip Resistor Part Coding



チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード : A Resistor Code : A
				外形／Form	L	W	t	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION



E C B
2SA1296GR



E C B
2SA1980G
2SA1981Y
2SC5343G
2N5551C



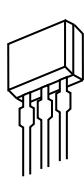
B C E
FN1016
FP1016



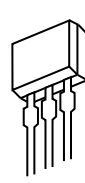
G D S
2SK2937



B C E
CSB1370EF



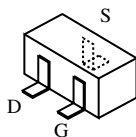
S D G
2SJ460
2SK2541



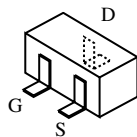
E C B
2SB1237Q



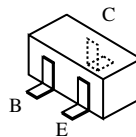
E C B
2SC4115SRS



2SK360E



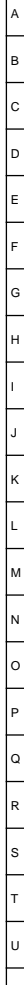
2SK2158



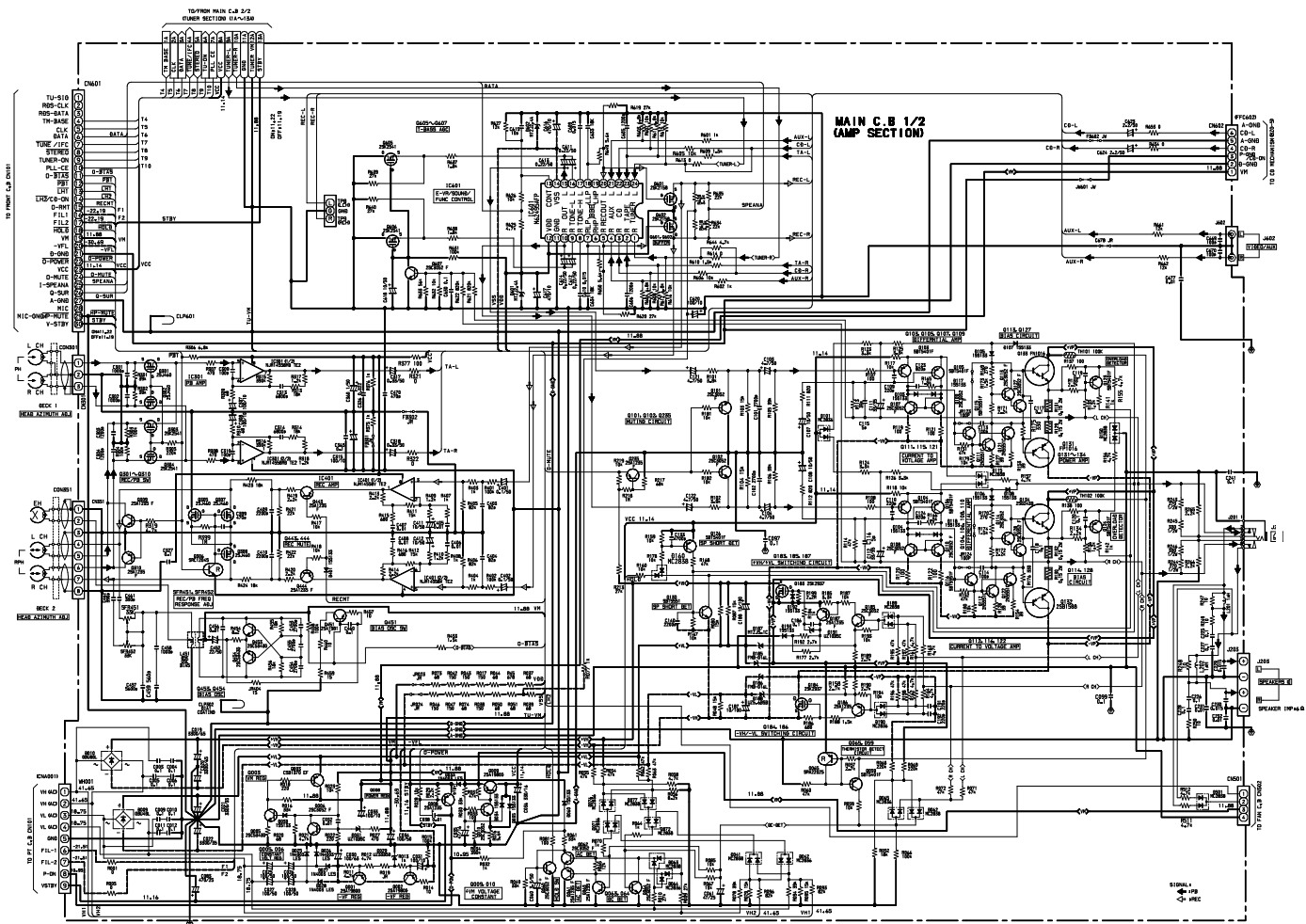
2SA1235F
2SC2714O
2SC3052F
DTA123EKA
SBT5401F

SBT5551F
SRA2202S
SRA2207S
SRC1202S
SRC1204S

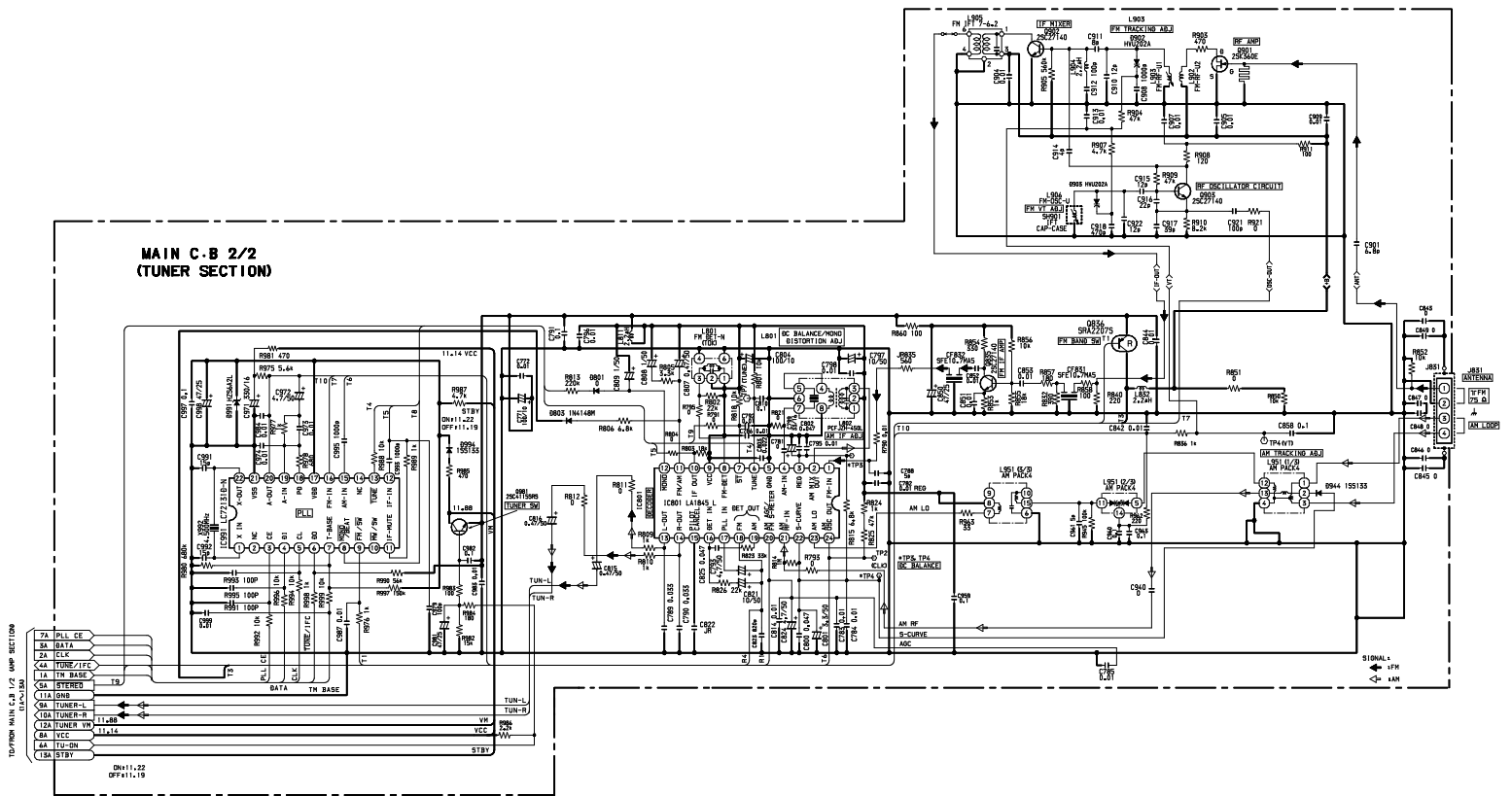
	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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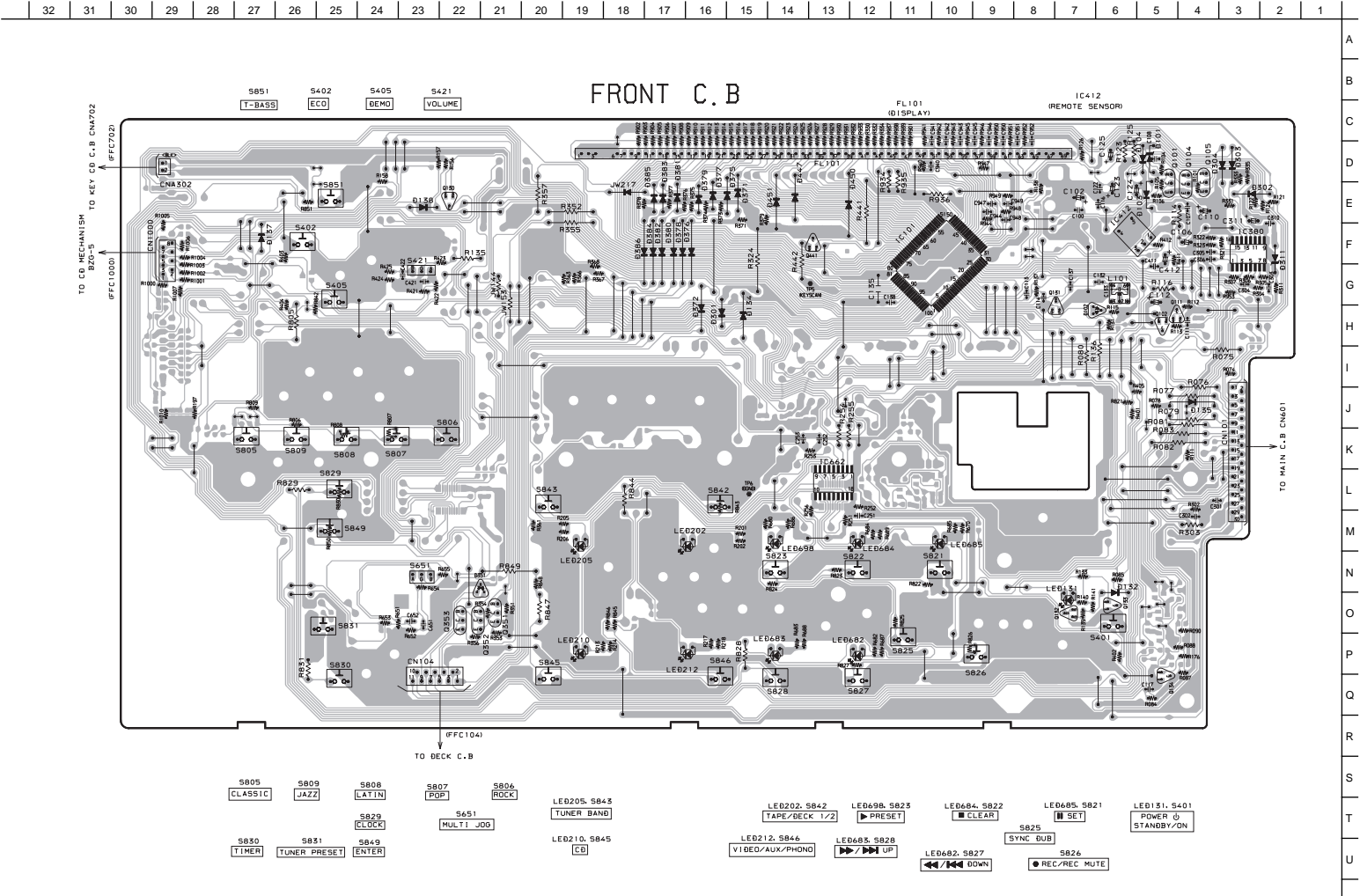
SCHEMATIC DIAGRAM - 1 (MAIN 1/2: AMP SECTION)



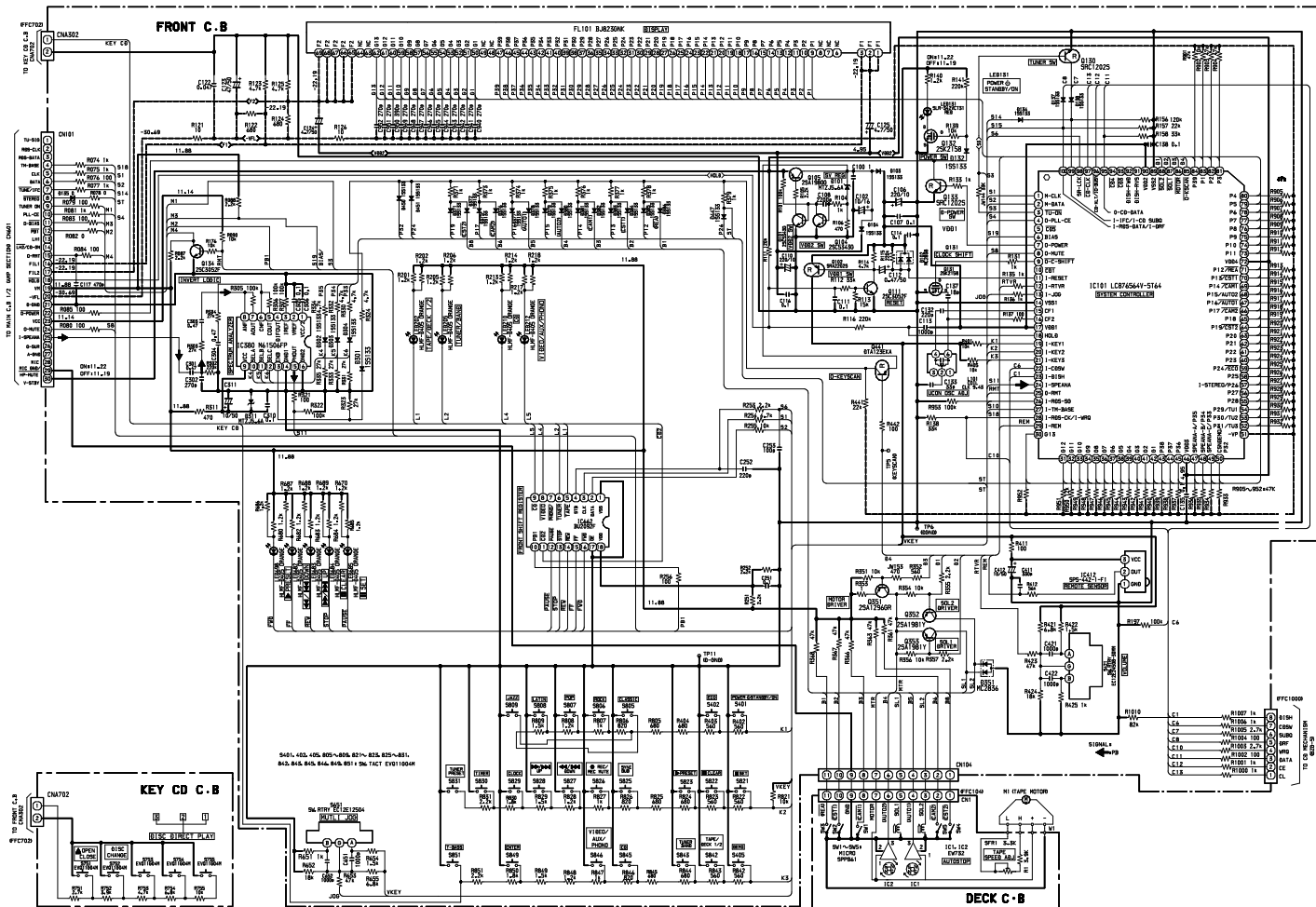
SCHEMATIC DIAGRAM - 2 (MAIN 2/2: TUNER SECTION)



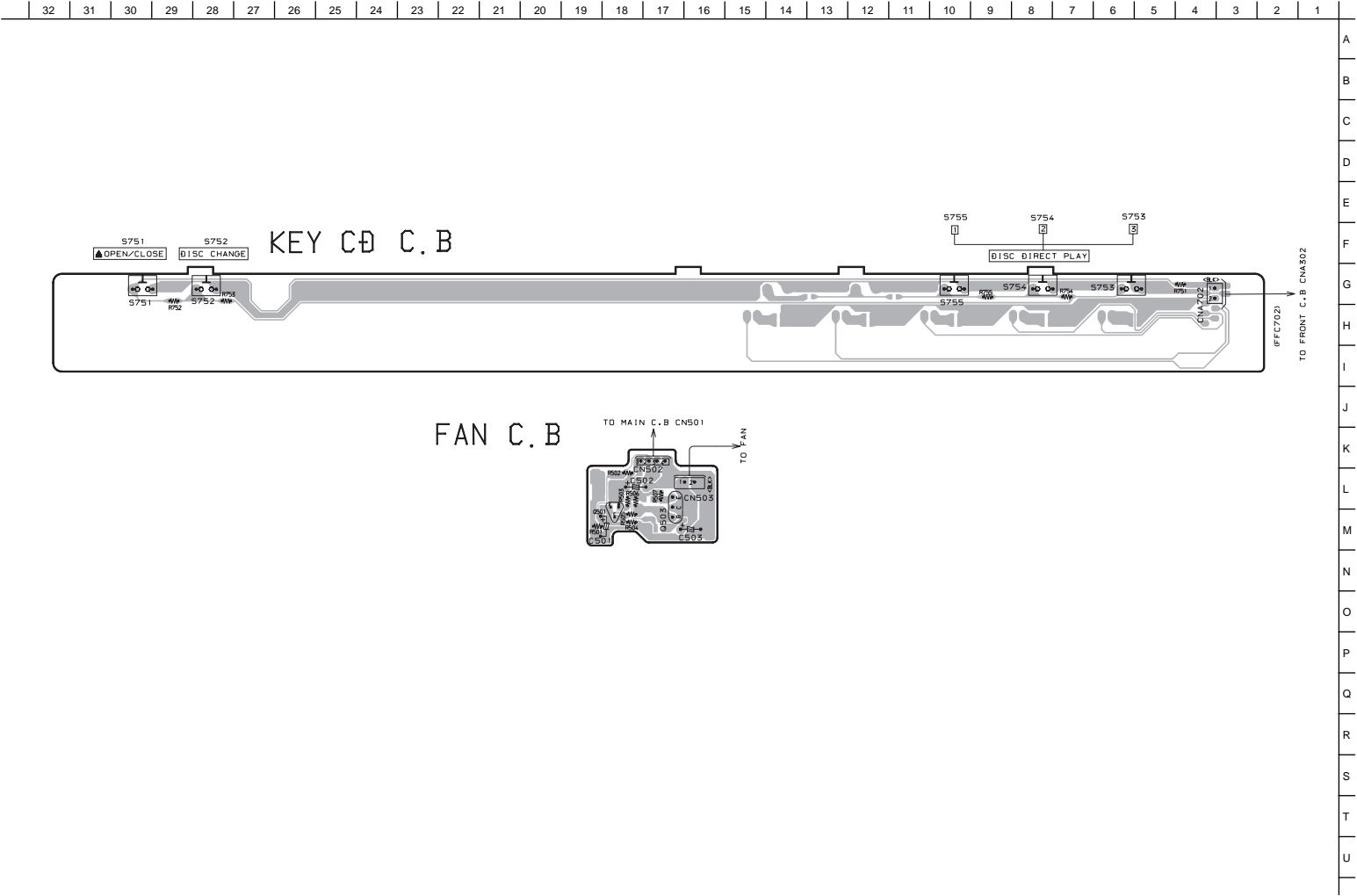
WIRING – 2 (FRONT)



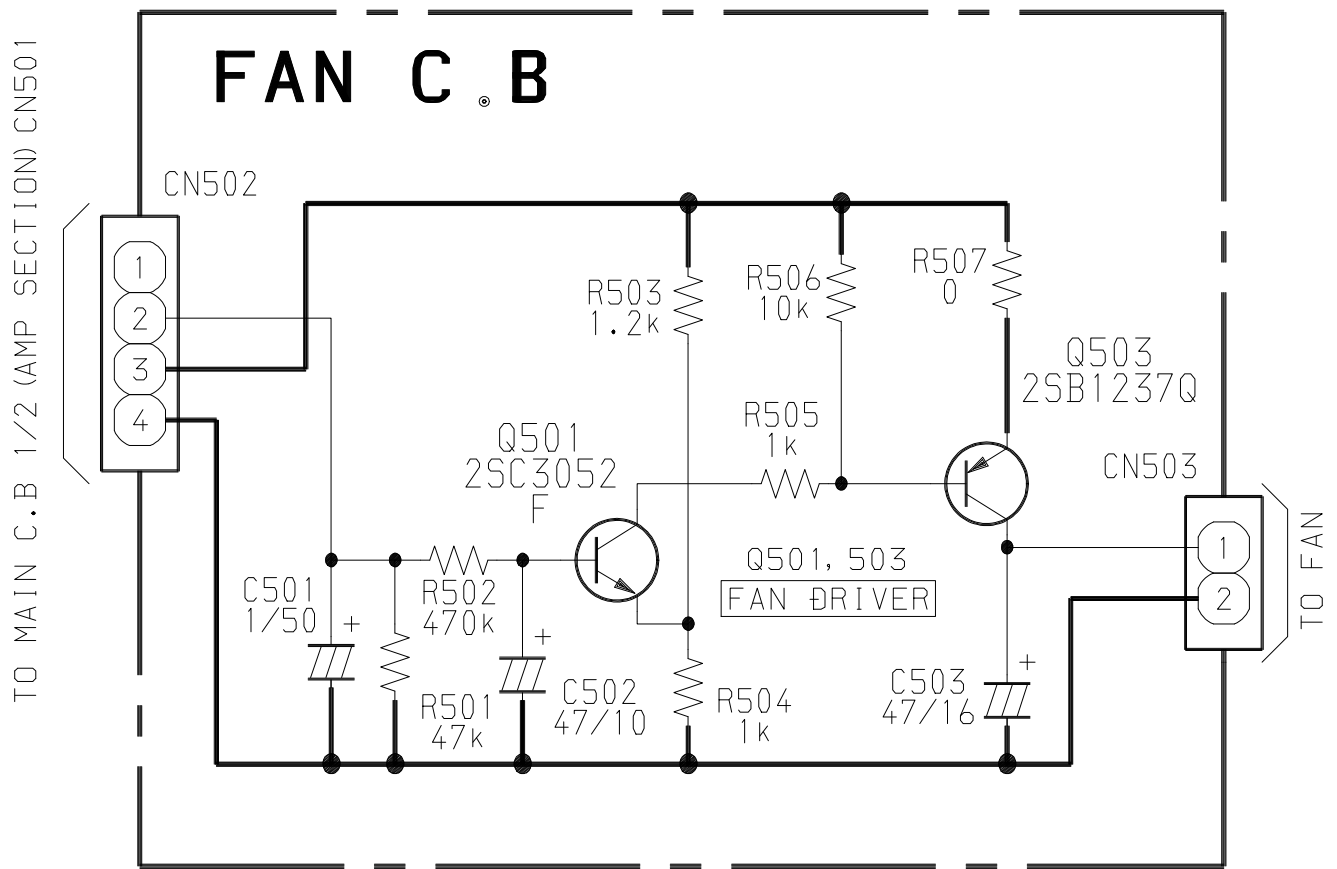
SCHEMATIC DIAGRAM – 3 (FRONT / KEY / DECK)



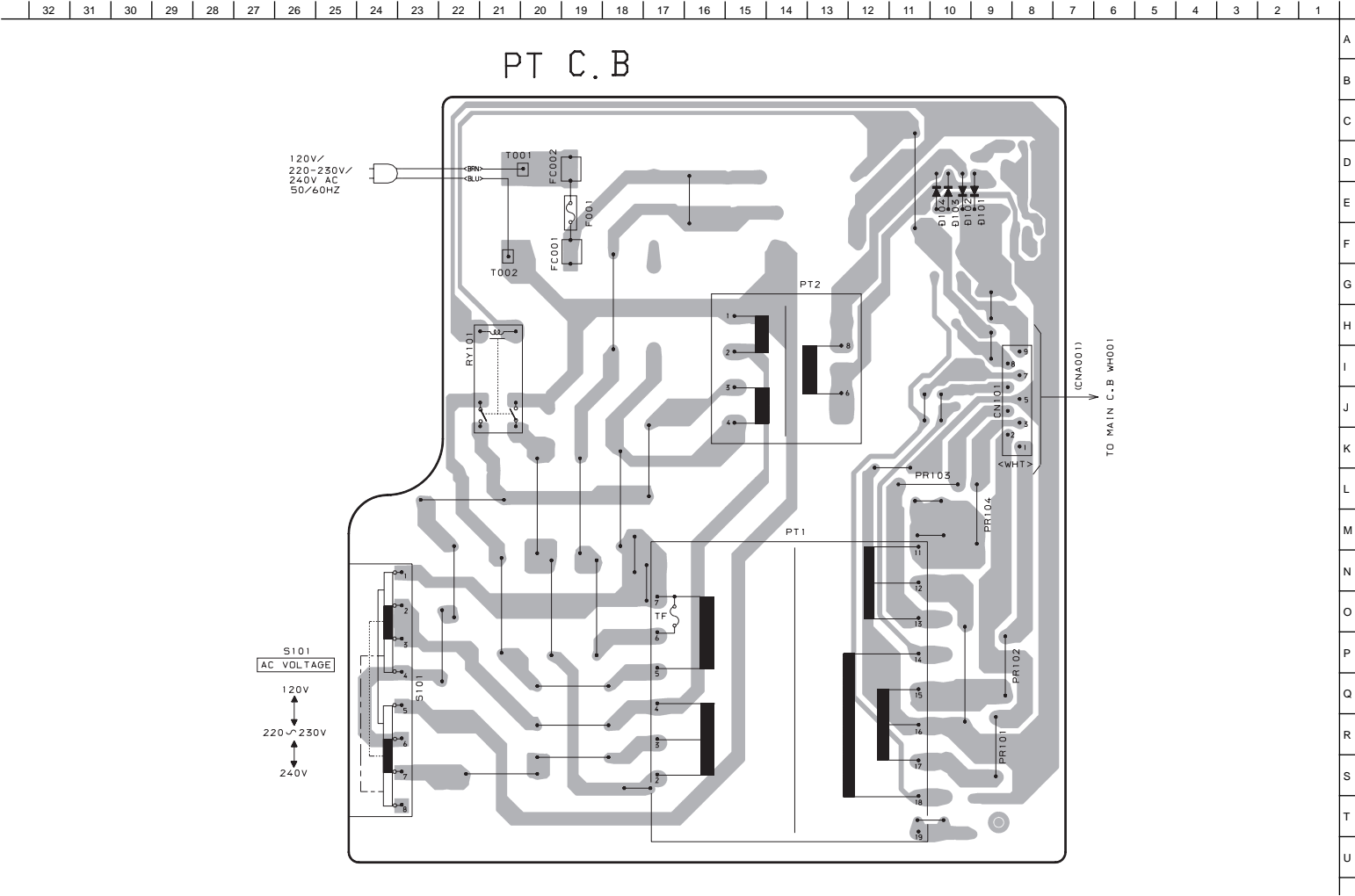
WIRING – 3 (KEY CD / FAN)



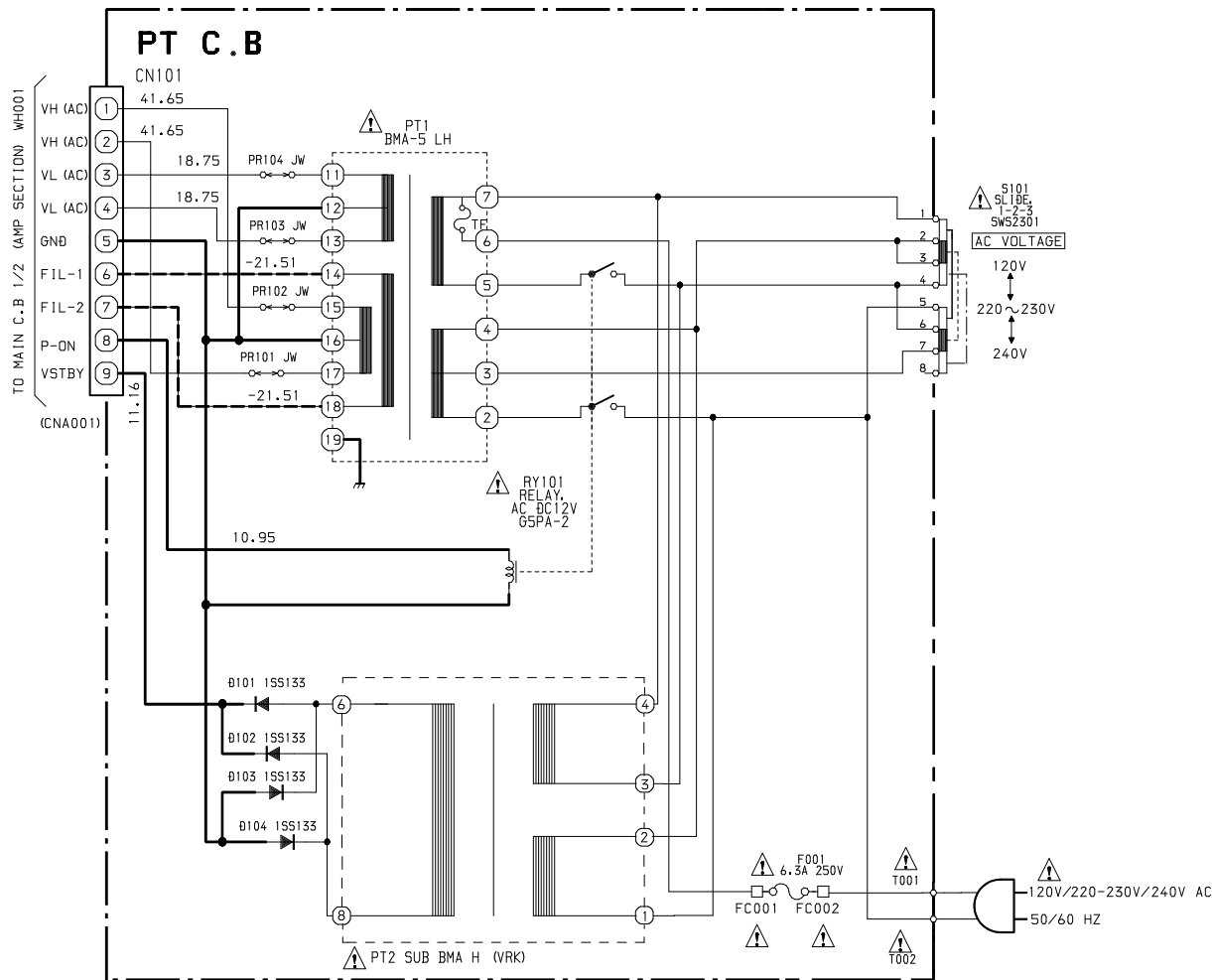
SCHEMATIC DIAGRAM – 4 (FAN)



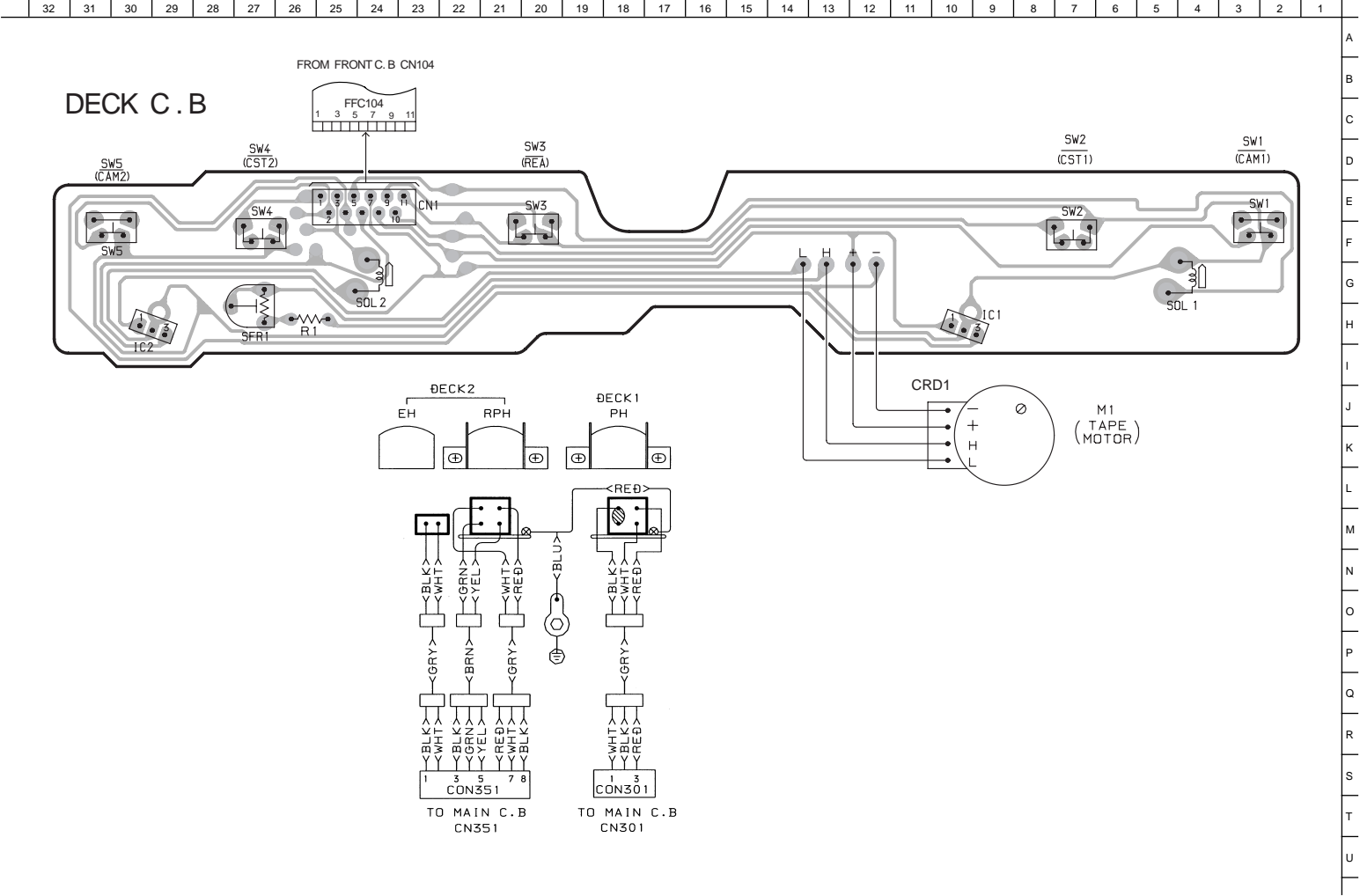
WIRING - 4 (PT)



SCHEMATIC DIAGRAM – 5 (PT)

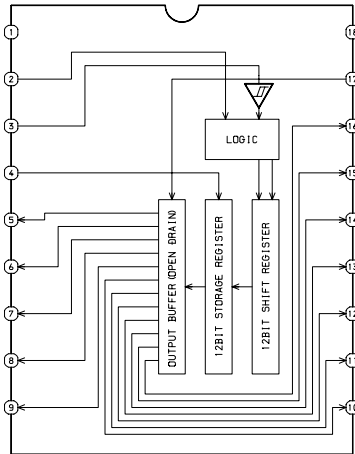


WIRING - 5 (DECK)

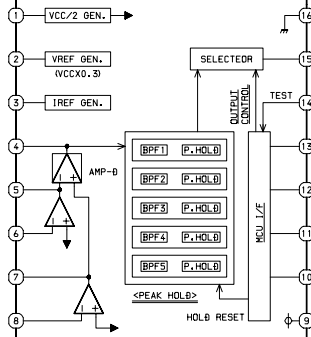


IC BLOCK DIAGRAM

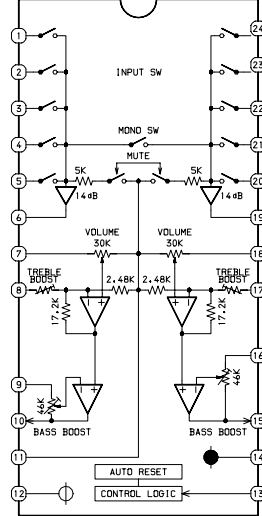
IC. BU2092F



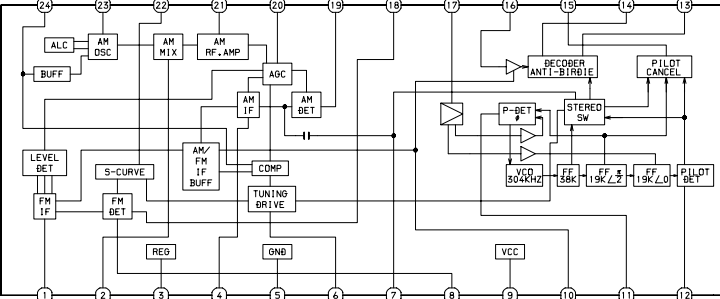
IC. M61506FP



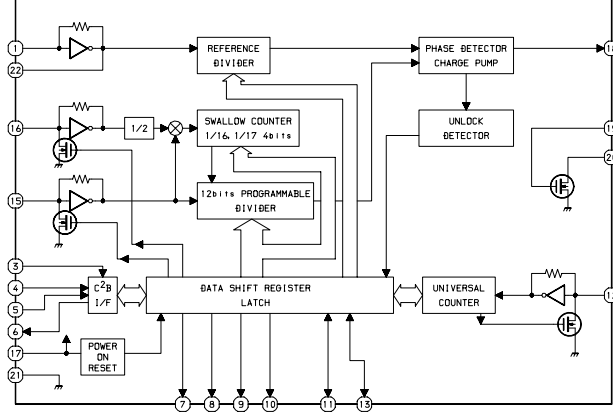
IC. M62495AFP



IC. LA1845L



IC. LC72131B-N



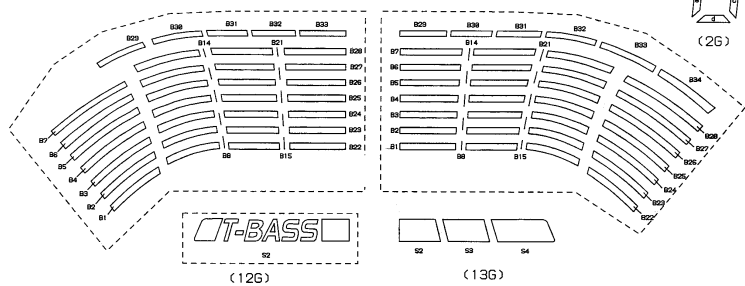
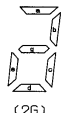
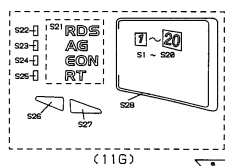
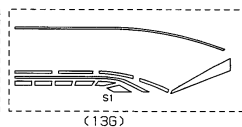
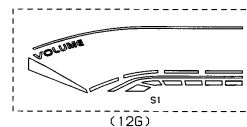
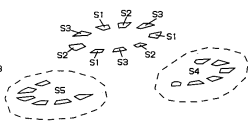
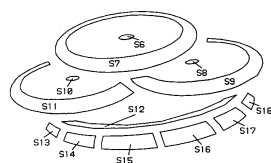
IC DESCRIPTION

IC, LC876564V-5T64

Pin No.	Pin Name	I/O	Description
1	M-CLK	O	Common serial clock.
2	M-DATA	O	Common serial data.
3	$\overline{\text{TU-ON}}$	O	Tuner supply control. H: ON.
4	$\overline{\text{O-PLL-CE}}$	O	Tuner PLL IC chip enable.
5	$\overline{\text{CD5}}$	O	CD dish LED5. L: ON.
6	BIAS	O	Recording bias control. L: ON.
7	O-POWER	O	Audio power ON/OFF.
8	O-MUTE	O	System mute ON/OFF.
9	$\overline{\text{O-C-SHIFT}}$	O	Clock shift output. L: Shift.
10	$\overline{\text{CD1}}$	O	CD dish LED1. L: ON.
11	I-RESET	I	System reset input.
12	I-RTVR	I	Volume rotary encoder.
13	I-JOG	I	Dial jog rotary encoder.
14	VSS1	–	Connected to GND.
15	CF1	I	Oscillator circuit input.
16	CF2	O	Oscillator circuit output.
17	VDD1	–	Power supply.
18	HOLD	I	System hold input.
19 ~ 21	I-KEY1 ~ 3	I	Tact key matrix 1 ~ 3 input.
22	I-CDSW	I	CD MECHA SW matrix input.
23	I-DISH	I	CD turntable photo sensor.
24	I-SPEANA	I	Spectrum analyzer level detection.
25	O-RMT	O	Record ON/OFF control. H: ON.
26	I-RDS-SG	I	RDS Signal level input. (Not used)
27	I-TM-BASE	I	Time base clock input.
28	I-WRQ/I-RDS-CK	I	CD WRQ input/Tuner RDS clock input. (Not used)
29	I-REM	I	Remote control signal input.
30 ~ 42	G13 ~ G1	O	FL grid G13 ~ G1 output.
43 ~ 45	P38 ~ P36	O	FL segment P38 ~ P36 output.
46	VDD3	–	Power supply.
47	SPEANA–A/P35	O	Spectrum analyzer band control A/FL segment P35 output.
48	SPEANA–B/P34	O	Spectrum analyzer band control B/FL segment P34 output.
49	SPEANA–C/P33	O	Spectrum analyzer band control C/FL segment P33 output.
50	CSNDEMO/P32	I/O	Initial DEMO mode detect. H: OFF/FL segment P32 output.
51	–VP	–	Power supply for FL input.
52	P31/TU3	O/I	FL segment P31 output/TUNER series, TU3 select.
53	P30/TU2	O/I	FL segment P30 output/TUNER series, TU2 select.
54	P29/TU1	O/I	FL segment P29 output/TUNER series, TU1 select.
55	P28	O	FL segment P28 output.
56	P27	O	FL segment P27 output.
57	I-STEREO/P26	I/O	Tuner stereo signal input/FL segment P26 output.
58	P25	O	FL segment P25 output.

Pin No.	Pin Name	I/O	Description
59	P24/ $\overline{\text{ECO}}$	O/I	FL segment P24 output/ECO setting switching input. H: ECO mode off.
60 ~ 63	P23 ~ P20	O	FL segment P23 ~ P20 output.
64	P19/ $\overline{\text{CST2}}$	O/I	FL segment P19 output/Deck 2 cassette detection. L: YES.
65	P18	O	FL segment P18 output.
66	P17/ $\overline{\text{CAM2}}$	O/I	FL segment P17 output/Deck 2 cam SW input. L: ON.
67	P16/ $\overline{\text{AUTO1}}$	O/I	FL segment P16 output/Deck 1 auto stop input.
68	P15/ $\overline{\text{AUTO2}}$	O/I	FL segment P15 output/Deck 2 auto stop input.
69	P14/ $\overline{\text{CAM1}}$	O/I	FL segment P14 output/Deck 1 cam SW input. L: ON.
70	P13/ $\overline{\text{CST1}}$	O/I	FL segment P13 output/Deck 1 cassette detection SW. L: YES.
71	P12/ $\overline{\text{REA}}$	O/I	FL segment P12 output/Deck 2 side-A recordable SW. L: REC.
72	VDD4	–	Power supply.
73 ~ 83	P11 ~ P1	O	FL segment P11 ~ P1 output.
84	P39	O	FL segment P39 output.
85	$\overline{\text{O-KSCAN}}$	O	Keyscan output. L: IN.
86	$\overline{\text{MOTOR}}$	O	Deck motor ON/OFF control. L: ON.
87	$\overline{\text{SOL1}}$	O	Deck 1 solenoid control. L: ON.
88	$\overline{\text{SOL2}}$	O	Deck 2 solenoid control. L: ON.
89	VSS2	–	Connected to GND.
90	VDD2	–	Power supply.
91	DISH-RVS	O	CD dish reverse output. H: REV(2). (Not used)
92	DISH-FWD	O	CD dish forward output. H: FWD(2). (Not used)
93	$\overline{\text{CD3}}$	O	CD dish LED3. L: ON.
94	$\overline{\text{CD4}}$	O	CD dish LED4. L: ON.
95	O-CD-DATA	O	Serial data output to CD.
96	CD-XLT	O	CD DSP serial latch output.
97	$\overline{\text{CD-CLK}}$	O	CD DSP serial clock output.
98	SR-LCK	O	Shift register IC latch clock.
99	I-IFC/I-CD-SUBQ	I	Tuner IF count data input/CD SUBQ serial data input.
100	I-RDS-DATA/ I-CD-DRF	I	RDS serial data input. (Not used)/ CD RF detect input.

GRID ASSIGNMENT



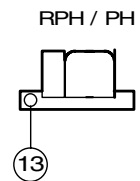
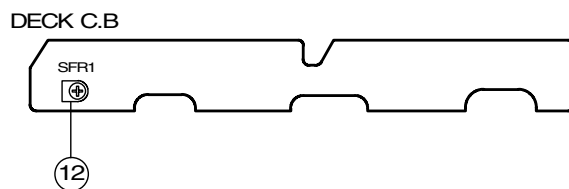
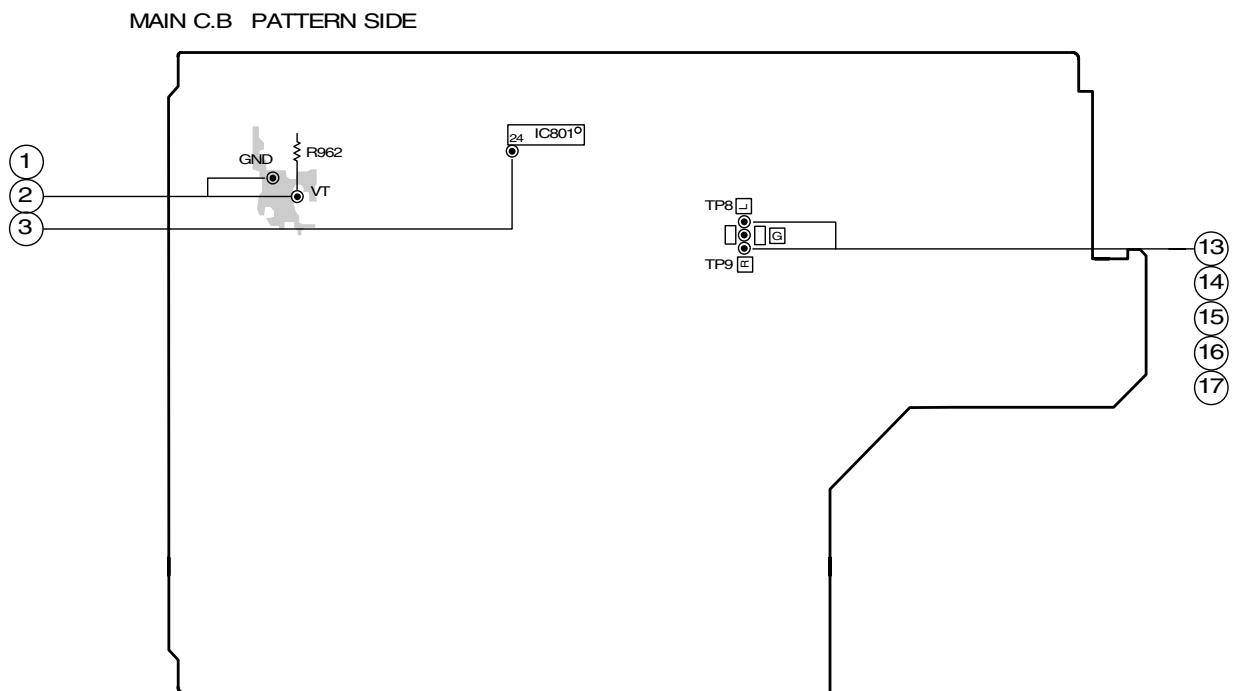
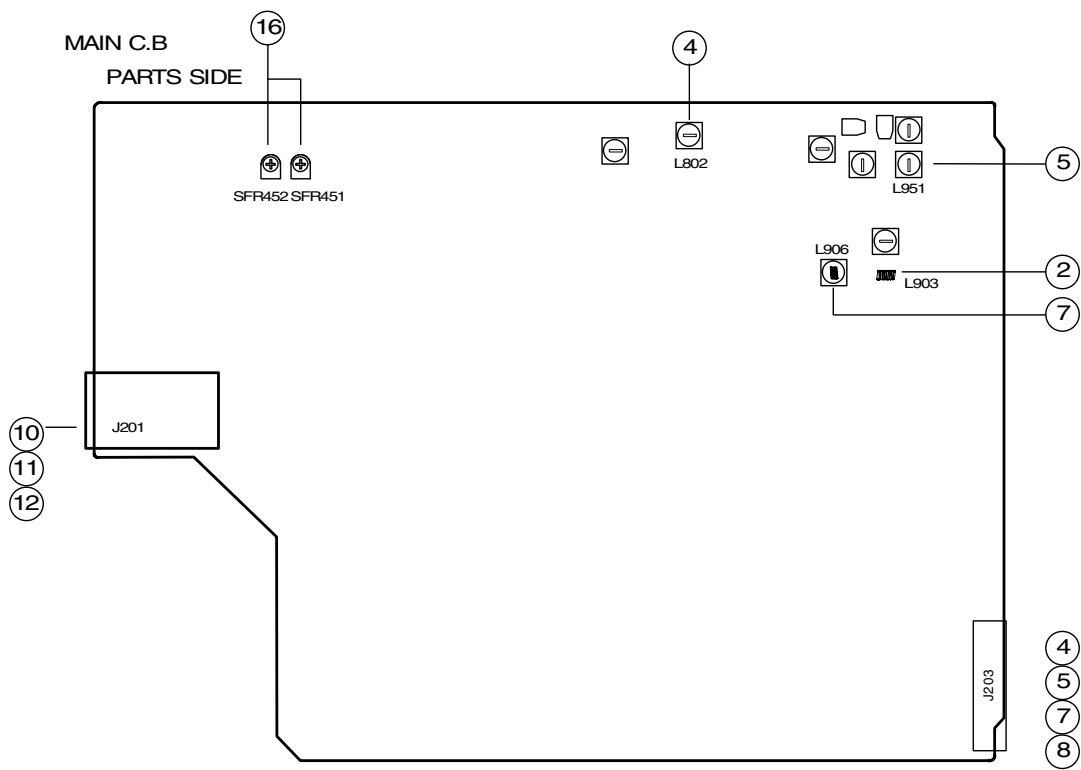
PIN CONNECTION

[illegible]

ANODE CONNECTION

	136	126	116	106	96~36	26	16
P1	S1	S1	S28	1-1	1-1	-	EL-LOW
P2	S2	S2	S1	2-1	2-1	-	((C))
P3	S3	-	S2	3-1	3-1	-	MONO
P4	S4	-	S3	4-1	4-1	-	2
P5	B1	B1	S4	5-1	5-1	-	2
P6	B8	B8	S5	1-2	1-2	-	C
P7	B15	B15	S6	2-2	2-2	-	CLASSIC
P8	B22	B22	S7	3-2	3-2	-	JAZZ
P9	B2	B2	S8	4-2	4-2	-	LATIN
P10	B9	B9	S9	5-2	5-2	-	POP
P11	B16	B16	S10	1-3	1-3	-	ROCK
P12	B23	B23	S11	2-3	2-3	-	S5
P13	B3	B3	S12	3-3	3-3	-	S10
P14	B10	B10	S13	4-3	4-3	-	S11
P15	B17	B17	S14	5-3	5-3	-	S6
P16	B24	B24	S15	1-4	1-4	○	S1
P17	B4	B4	S16	2-4	2-4	VF	S3
P18	B11	B11	S17	3-4	3-4	/	S2
P19	B18	B18	S18	4-4	4-4	a	S7
P20	B25	B25	S19	5-4	5-4	b	S13
P21	B5	B5	S20	1-5	1-5	-	S14
P22	B12	B12	S21	2-5	2-5	g	S15
P23	B19	B19	S22	3-5	3-5	c	S16
P24	B26	B26	S23	4-5	4-5	e	S17
P25	B6	B6	S24	5-5	5-5	d	S18
P26	B13	B13	S25	1-6	1-6	AUTO	S12
P27	B20	B20	S26	2-6	2-6	(b)	S4
P28	B27	B27	S27	3-6	3-6	(B)	S8
P29	B7	B7	S28	4-6	4-6	-	S9
P30	B14	B14	S29	5-6	5-6	-	-
P31	B21	B21	EDIT	1-7	1-7	-	-
P32	B28	B28	AI	2-7	2-7	-	-
P33	B29	B29	FROM	3-7	3-7	-	-
P34	B30	B30	RANDOM	4-7	4-7	-	-
P35	B31	B31	○	5-7	5-7	-	-
P36	B32	B32	RNG	○	-	-	-
P37	B33	B33	SEARCH	KHZ	-	-	-
P38	B34	-	CHIRP	MHZ	-	-	-

ADJUSTMENT (TUNER / DECK / FRONT)



<TUNER ADJUSTMENT>

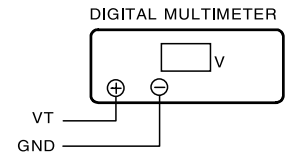
1. VT Check (AM)

Requirements

- Measuring instrument: Digital multimeter

Test points: VT, GND

- 1) Connect the digital multimeter between VT and GND.
- 2) Set the function to AM, and tune the receiving frequency of the unit at 1710 kHz.
- 3) Check that the digital multimeter ranges under 8.5 V.
- 4) Tune the receiving frequency of the unit at 530 kHz.
- 5) Check that the digital multimeter ranges above 0.6 V.



2. VT Adjustment and Check (FM)

Requirements: Same as the above.

- 1) Connect the digital multimeter between VT and GND.
- 2) Set the function to FM, and tune the receiving frequency of the unit at 108.0 MHz.
- 3) Adjust L906 so that the digital multimeter ranges at 7.0 ± 0.1 V.
- 4) Tune the receiving frequency of the unit at 87.5 MHz.
- 5) Check that the digital multimeter ranges under 0.4 V.

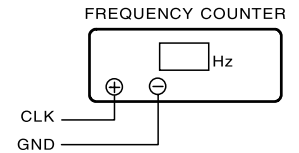
3. Clock Check

Requirements

- Measuring instrument: Frequency counter

Test point: CLK, GND

- 1) Connect the frequency counter between CLK and GND.
- 2) Set the function to AM, and tune the receiving frequency of the unit at 1710 kHz.
- 3) Check that the frequency counter ranges at $2160 \text{ kHz} \pm 45 \text{ Hz}$.



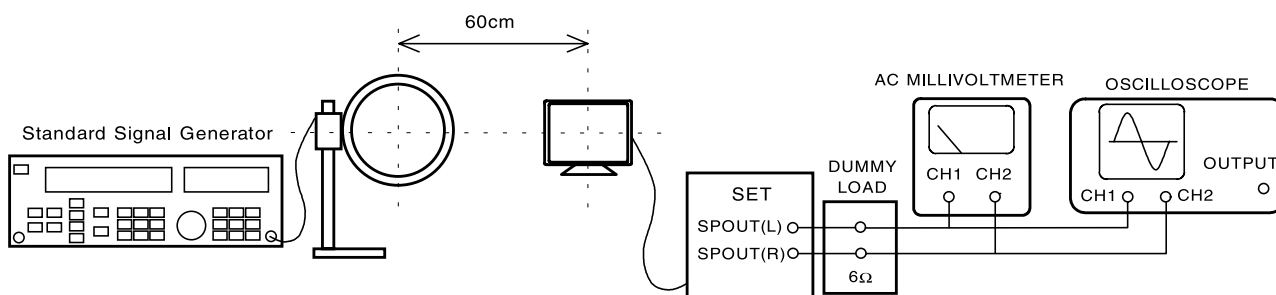
<AM Adjustment>

Make the following preparations for AM adjustment.

Preparations

- Standard Signal Generator (S.S.G.) / Loop antenna / Oscilloscope / Millivoltmeter / Dummy resistance (6 W)

- 1) Connect the unit and measuring instruments as shown in the diagram below.
- 2) Position the loop antenna connected to S.S.G. and the one connected to the unit 60 cm apart.



4. IF Adjustment

Requirements: As instructed in preparations.

- Adjustment point: L802
 - 1) Set S.S.G. to AM; carrier of 1000 kHz with 30 % modulation, and source at 1 kHz.
 - 2) Tune the receiving frequency of the unit at AM 1000 kHz.
 - 3) While monitoring the waveform at 1 kHz through the oscilloscope, lower the output level of S.S.G. maximum (till a certain degree of noise is monitored).
 - 4) Adjust L802 so that the millivoltmeter points maximum.

5. Tracking Adjustment

Requirements: As instructed in preparations.

- Adjustment point: L951
 - 1) Set S.S.G. to AM; carrier of 1000 kHz with 30 % modulation, and source at 1 kHz.
 - 2) Tune the receiving frequency of the unit at AM 1000 kHz.
 - 3) While monitoring the waveform at 1 kHz through the oscilloscope, lower the output level of S.S.G. maximum (till a certain degree of noise is monitored).
 - 4) Adjust L951 so that the millivoltmeter points maximum.

6. Auto-Stop Check

Requirements: As instructed in preparations.

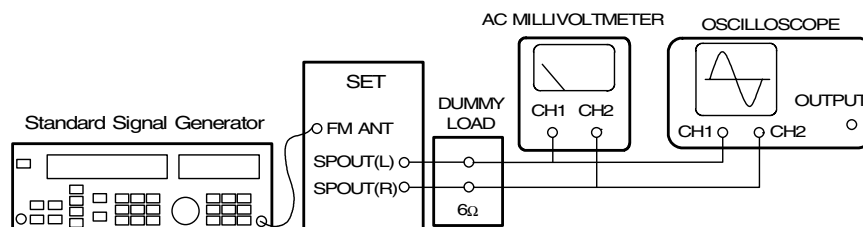
- 1) Set S.S.G. to AM; carrier of 1000 kHz with 30 % modulation, source at 1 kHz, and output of 37 ~ 62 dBuV.
- 2) Apply the tuning search function, and check that the unit automatically stops at AM 1000 kHz.

<FM Adjustment>

Make the following preparations for FM adjustment.

Preparations

- Standard Signal Generator (S.S.G.) / Loop antenna / Oscilloscope / Millivoltmeter / Dummy resistance (6 W)
 - 1) Connect the unit and measuring instruments as shown in the diagram below.
 - 2) Connect the output of S.S.G. to the antenna input of the unit.



7. Tracking Adjustment

Requirements: As instructed in preparations.

- Adjustment point: L903
 - 1) Set S.S.G. to FM; carrier of 87.5 MHz with 75 kHz modulation, and source at 1 kHz.
 - 2) Tune the receiving frequency of the unit at FM 87.5 MHz.
 - 3) While monitoring the waveform at 1 kHz through the oscilloscope, lower the output level of S.S.G. maximum (till a certain degree of noise is monitored).
 - 4) Adjust L903 so that the millivoltmeter points maximum.

8. Separation Check

Requirements: As instructed in preparations.

- 1) Set S.S.G. to FM; carrier of 98 MHz with 67.5 kHz modulation, source at 1 kHz, and output at 60 dBuV.
- 2) Switch S.S.G. to PILOT ON, and set PILOT at 7.5 kHz.
- 3) Tune the receiving frequency of the unit at FM 98 MHz.
- 4) Allow the output of S.S.G. only from Lch, and check that the difference between Lch and Rch is 25 dB or above.
- 5) Apply the above check to Rch.

9. Auto-Stop Check

Requirements: As instructed in preparations.

- 1) Set S.S.G. to FM; carrier of 98 MHz with 75 kHz modulation, source at 1 kHz, and output at 10 ~ 35 dBuV or less.
- 2) Apply the tuning search function, and check that the unit automatically stops at FM 98 MHz.

<DECK SECTION>

10. Tape Speed Adjustment (DECK 2)

Requirements

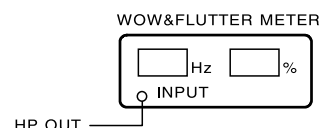
- Measuring instrument: Wow and flutter meter (frequency counter)

Test tape: TTA-100 (3 kHz)

Test point: HP OUT

Adjustment point: SFR1

- 1) Connect the wow and flutter meter to HP OUT of the unit.
- 2) Insert the test tape (TTA-100) to DECK 2. Play back the FWD to middle part of the tape, and adjust SFR1 so that the level $3,000 \text{ Hz} \pm 5 \text{ Hz}$ is monitored.



11. Tape Speed Check (DECK 1)

Requirements: Same as the above, 10.

- 1) Insert the test tape (TTA-100) to DECK 1. Play back the middle part of the tape, and check that the level is ranged within $\pm 55 \text{ Hz}$ as compared to the speed monitored for DECK 2.

12. Wow and Flutter Check (DECK 1 and DECK 2)

Requirements: Same as the above, 10.

- 1) Connect the wow and flutter meter to HP OUT of the unit.
- 2) Set the wow and flutter to JIS for INDICATOR and to W RMS (WTD) for mode.
- 3) Play back the middle part of the test tape (TTA-100), and check that the level ranges under 0.25 %.

13. Head Azimuth Adjustment (DECK 1 and DECK 2)

Requirements

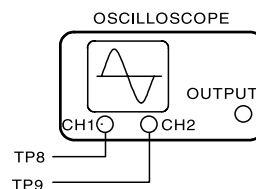
- Measuring instrument: Oscilloscope

Test tape: TTA-300 (8 kHz)

Test point: TP8 (Lch), TP9 (Rch)

Adjustment point: Head azimuth adjustment screw

- 1) Connect the probe CH1 of the oscilloscope to TP8 (Lch) and CH2 to TP9 (Rch).
- 2) Set V mode of the oscilloscope to ADD.
- 3) Insert the test tape (TTA-300) to DECK 1. Play back the middle part of the tape, and adjust the head azimuth adjustment screw so that the waveform achieves its maximum level when 8 kHz is played.
- 4) After adjustment, secure the screw with glue (1600 B).
- 5) Apply the above steps 3) and 4) to DECK 2.



14. Playback Frequency Check (DECK 1 and DECK 2)

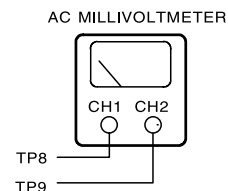
Requirements

- Measuring instrument: Millivoltmeter

Test tape: TTA-300 (315 Hz / 8 kHz)

Test point: TP8 (Lch), TP9 (Rch)

- 1) Connect CH1 of the millivoltmeter to TP8 (Lch) and CH2 to TP9 (Rch).
- 2) Insert the test tape (TTA-300) to DECK 1, and play back 315 Hz and 8 kHz.
- 3) Check that the level of 8 kHz is ranged within $0 \pm 5 \text{ dB}$ compared to the output level of 315 Hz as a reference.
- 4) Apply the above steps 2) and 3) to DECK 2.



15. Playback Sensitivity Check (DECK 1 and DECK 2)

Requirements

- Measuring instrument: Millivoltmeter

Test tape: TTA-200 (400 Hz)

Test points: TP8 (Lch), TP9 (Rch)

- 1) Connect CH1 of the millivoltmeter to TP8 (Lch) and CH2 to TP9 (Rch).
- 2) Insert the test tape (TTA-200) to DECK 1 and play back.
- 3) Check that the output level is ranged within $140 \text{ mV} \pm 3 \text{ dB}$.
- 4) Apply the above steps, 2) and 3) to DECK 2.

16. Record / Playback Frequency Response Adjustment (DECK 2)

Requirements

- Measuring instrument: Millivoltmeter, Audio signal oscillator (low frequency oscillator), Attenuator

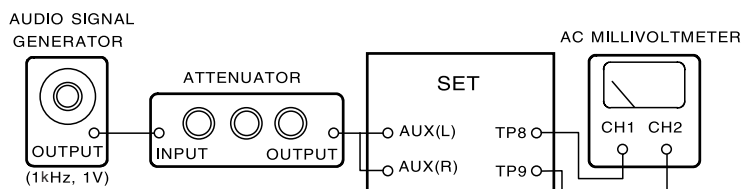
Test tape: TTA-602 (NORMAL)

Test points: TP8 (Lch), TP9 (Rch)

Input point: AUX (1 kHz / 10 kHz)

Adjustment points: SFR451 (Lch), SFR452 (Rch)

- 1) Connect CH1 of the millivoltmeter to TP8 (Lch) and CH2 to TP9 (Rch).
- 2) Connect the output of the oscillator to the attenuator, and then the attenuator to AUX of the unit.
- 3) Insert the test tape (TTA-602) to DECK 2, and record 1 kHz signal from AUX.
- 4) Adjust the attenuator so that the output levels at TP8 and TP9 are ranged at 10 mV.
- 5) Record 1 kHz and 10 kHz alternatively.
- 6) Play back the tape. Adjust SFR451 (Lch) / SFR452 (Rch) so that the playback output level of 10 kHz is ranged within $0 \pm 1 \text{ dB}$ compared to the playback output level of 1 kHz as reference.



17. Record/Playback Sensitivity Check (DECK 2)

Requirements

- Measuring instrument: Same as the above, 16

Test tape: TTA-602 (NORMAL)

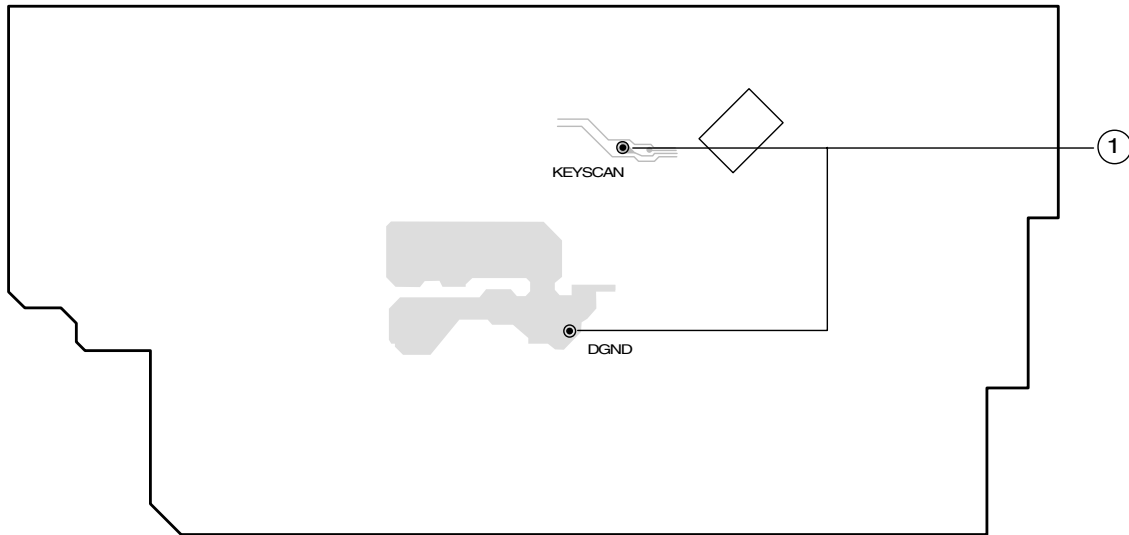
Test point: TP8 (Lch), TP9 (Rch)

Input point: AUX (1 kHz)

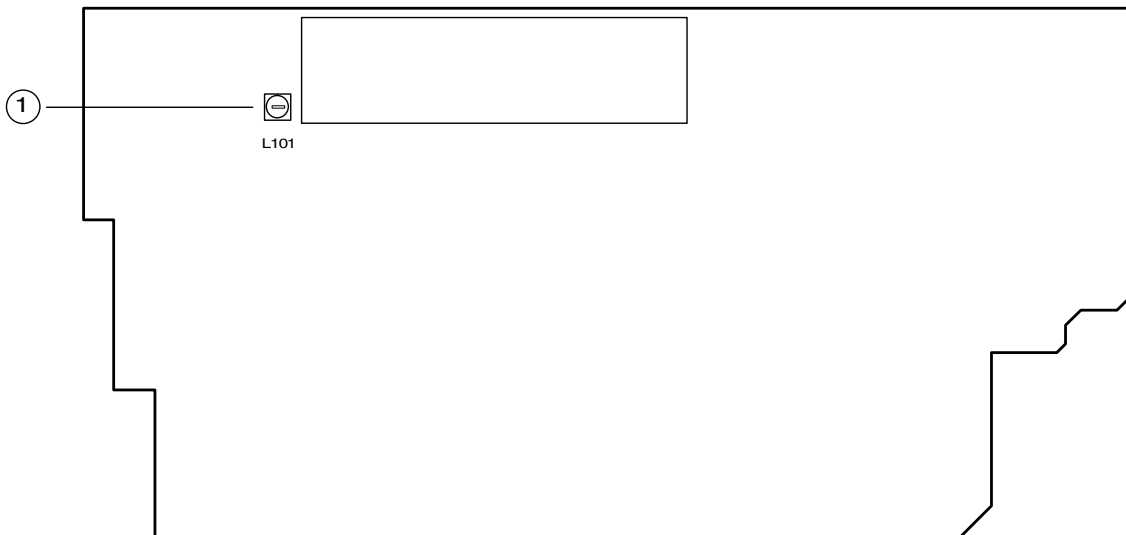
- 1) Insert the test tape (TTA-602) to DECK 2, and record 1 kHz signal from AUX.
- 2) Adjust the attenuator so that the output levels at TP8 and TP9 are 100 mV.
- 3) Play back 1 kHz, and check that the output level is ranged within $-1 \text{ dB} \pm 3.5 \text{ dB}$ compared to the recording output level.

<FRONT SECTION>

FRONT C.B. PATTERN SIDE



FRONT C.B. PARTS SIDE



<Clock Adjustment>

18. Clock Adjustment

Requirements

- Measuring instrument: Frequency counter

Test tape: KEYSCAN, DGND

Adjustment point: L101

- 1) Connect the frequency counter between KEYSCAN and DGND.
- 2) While pressing the "POWER" and "TUNER" button, insert the AC plug to the outlet.
- 3) Adjust L101 so that the frequency counter indicates the frequency level within 108.80 ± 0.21 Hz.

CD TEST MODE

CD TEST MODE Ver. 3.0

1. Starting CD Test Mode

While pressing and holding down the CD FUNCTION button, insert the AC plug to outlet.
When test mode starts, the message, "TEST" appears on the display.

2. Exiting CD Test Mode

Press the other function key, POWER button or remove the AC plug from outlet.

3. Function of CD Test Mode

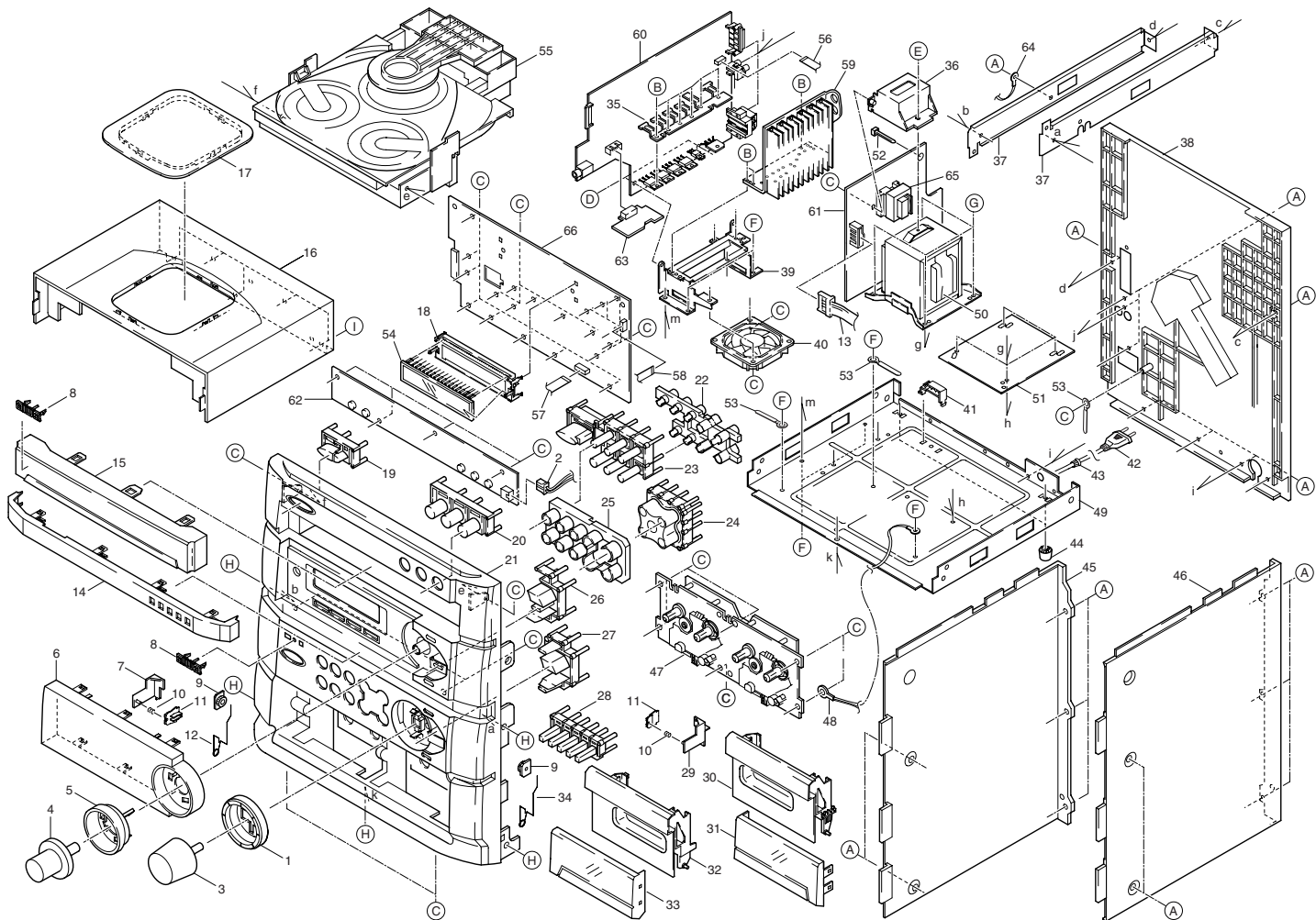
No	Mode	Function Key	Display	Movement	Check
1	Start Mode		All lit.	FL all lit.	<ul style="list-style-type: none"> • FL check • Microcomputer check
2	Search Mode	STOP button	READING	<ul style="list-style-type: none"> • LD constantly lit. • Focus search continuous movement *1, 2 • Spindle motor continuous kick 	<ul style="list-style-type: none"> • APC circuit check • Laser current electricity measurement • Focus search waveform check • Focus error waveform check (DRF is ignored during search mode.)
3	Play Mode	PLAY button	Normal	<ul style="list-style-type: none"> • Normal playback • If TOC READ is unavailable, focus search is continued. 	<ul style="list-style-type: none"> • Each servo circuit check • DRF check
4	Traverse Mode	PAUSE button	Normal	<ul style="list-style-type: none"> • Tracking servo OFF/ON • OFF and ON is repeated by every press of the PAUSE button. 	<ul style="list-style-type: none"> • Tracking balance check
5	Sled mode	FF button	TEST	<ul style="list-style-type: none"> • PU moves to the innermost position. *3 • At the same time, lens is kicked toward inner position. 	<ul style="list-style-type: none"> • Sled circuit check • Tracking circuit check • Mechanism movement check • PU check
		RWD button	TEST	<ul style="list-style-type: none"> • PU moves to the outermost position. *3 • At the same time, lens is kicked toward outer position. 	
6	Spindle mode	● REC/ REC MUTE button	All lit.	<ul style="list-style-type: none"> • When the button is pressed at the first time, spindle motor rotates forward (at rough speed). • At the second press, rotation is reversed. • At the third press, rotation stops. 	<ul style="list-style-type: none"> • Spindle circuit check • Spindle motor check

* 1 ... When Focus Search operates continuously more than 10 minutes, the protection circuit is activated due to heat generation of the driver IC.
In this case, turn off the power, wait for approximately 10 minutes so that heat is released, and then restart.

* 2 ... When the Focus Search fails three times, the gain is switched for CD-RW at the fourth time.

* 3 ... Be careful not to damage the gear because the sled motor rotates while the FF or RWD button is being pressed even if the pickup is located in the innermost track or the outermost track.

MECHANICAL EXPLODED VIEW



MECHANICAL PARTS LIST

! =  SAFETY PARTS
C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					CX-ZA65 LHSC
	O	MC1001	8B-MA5-087-110	RING, JOG R	a
	O	MC1002	8B-MA5-652-010	CONN ASSY, 2P V (100MM)	a
	O	MC1003	8C-MA3-027-010	KNOB, RTRY JOG	a
	O	MC1004	8C-MA3-026-010	KNOB, RTRY VOL	a
	O	MC1005	8B-MA3-086-010	RING, VOL	a
	O	MC1006	8C-MA5-012-010	WINDOW, DISP A5	a
	O	MC1007	87-NF4-216-010	HLDR, LOCK 1	a
	O	MC1008	87-B00-002-010	BADGE, AIWA 30 ABS SIL	a
	O	MC1009	87-NF8-220-010	DMPR, 150	a
	O	MC1010	86-NF9-224-010	SPR-C, LOCK	a
	O	MC1011	82-NF5-229-010	PLATE, LOCK (*)	a
	O	MC1012	8A-MA5-207-010	SPR-T, EJECT 1	a
	O	MC1013	8A-NF8-653-010	CONN ASSY, 9P TID-A (480)	a
	O	MC1014	8C-MA5-011-010	PANEL, GEQ A5	a
	O	MC1015	8C-MA5-004-010	PANEL, TRAY	a
	O	MC1016	8C-MA5-003-010	CABI, TOP	a
	O	MC1017	8C-MA3-013-010	WINDOW, TOP	a
	O	MC1018	87-MA5-203-110	GUIDE, FL	a
	O	MC1019	8C-MA3-021-010	KEY, OPEN	a
	O	MC1020	8B-MA5-063-010	KEY, DIRECT A5	a
					CX-ZA65 LHSC
	O	MC1021	8C-MA5-001-010	CABI, FR A5	a
	O	MC1022	8B-MA3-206-010	GUIDE, LED OPE	a
	O	MC1023	8C-MA3-014-010	KEY ASSY, OPE	a
	X	MC1023a	8C-MA3-015-010	KEY, OPE	a
	X	MC1023b	8B-MA3-093-010	REFLECTOR, FF	a
	X	MC1023c	8B-MA3-092-010	REFLECTOR, PLAY	a
	X	MC1023d	8B-MA3-091-010	REFLECTOR, POWER	a
	O	MC1024	8C-MA5-007-010	KEY ASSY, FUNC	a
	X	MC1024a	8C-MA5-008-010	KEY, FUNC	a
	X	MC1024b	8B-MA3-094-010	REFLECTOR, FUNC	a
	O	MC1025	8C-MA3-029-010	RING, OPE	a
	O	MC1026	8C-MA3-022-010	KEY, T-BASS	a
	O	MC1027	8C-MA3-023-010	KEY, ENTER	a
	O	MC1028	8C-MA3-024-010	KEY, GEQ	a
	O	MC1029	87-NF4-217-110	HLDR, LOCK 2	a
	O	MC1030	8C-MA3-007-010	BOX, CASS R	a
	O	MC1031	8C-MA3-012-010	WINDOW, CASS R	a
	O	MC1032	8C-MA3-006-010	BOX, CASS L	a
	O	MC1033	8C-MA3-011-010	WINDOW, CASS L	a
	O	MC1034	8A-MA5-208-010	SPR-T, EJECT 2	a
					CX-ZA65 LHSC
	O	MC1035	8B-MA3-216-010	HLDR, TR A3 B	a
	O	MC1036	8A-DB8-209-010	HLDR, PWB PT	a
	X	MC1037	8C-MA3-206-010	JOINT, CABI	a
	O	MC1038	8C-MA5-010-010	CABI, REAR LH A5	a
	X	MC1039	8B-MA3-202-210	HLDR, HT-SINK	a
	O	MC1040	87-A92-252-010	FAN, AD812MS-A70 (GL) 300MM	a
	O	MC1041	87-NF4-221-010	HLDR, CABLE	a
!	O	MC1042	87-A80-188-010	AC CORD ASSY, BRAZ BLK SUN FAI	a
	O	MC1043	87-085-185-010	BUSHING, AC CORD (E) CM-22B	a
	O	MC1044	87-MA3-062-010	FOOT, H17	a
	O	MC1045	8C-MA3-004-010	PANEL, SIDE L	a
	O	MC1046	8C-MA3-005-010	PANEL, SIDE R	a
	X	MC1047	M8-ZZM-395-070	ZZM-3 YPRINC	a
	X	MC1048	89-750-124-410	WIRE ASSY, 120 LUG	a
	X	MC1049	8C-MA5-206-010	CHAS, MAIN A5 H	a
!	O	MC1050	8B-MA5-663-010	PT, BMA-5 LH	a
	X	MC1051	8C-MA3-205-010	PLATE, PT	a
	O	MC1052	87-A90-193-010	HLDR, CV100 (B)	a
	O	MC1053	87-064-185-010	HLDR, WIRE PVC 0.5	a
	O	MC1054	8B-MA5-671-010	FL, BJ823GNK	a
					CX-ZA65 LHSC
	X	MC1055	M8-BZG-582-070	BZG-5 ZD4GN1C1	a
	O	MC1056	88-906-321-110	FF-CABLE, 6P 1.25 320MM	a
	O	MC1057	88-911-151-110	FF-CABLE, 11P 1.25 150MM	a
	O	MC1058	88-908-271-110	FF-CABLE, 8P 1.25 270MM	a
	X	MC1059	8C-MA5-208-110	HT-SINK ASSY, A5 LH	a
	X	MC1059a	8C-MA3-202-110	HT-SINK, MAIN A3	a
	X	MC1059b	8C-MA5-202-010	HT-SINK, FIN A5	a
	X	MC1059c	8C-MA5-203-110	HLDR, HT-SINK C	a
	X	MC1060	8C-MA5-671-010	PWB, MAIN -M'SIA	a
	X	MC1061	8C-MA5-672-010	PWB, PT -M'SIA	a
	X	MC1062	8C-MA5-603-010	PWB, KEY CD	a
	X	MC1063	8C-MA5-673-010	PWB, FAN -M'SIA	a
	X	MC1064	8B-MA6-646-010	WIRE ASSY, LUG	a
	O	MC1065	8B-MA6-673-010	PT, SUB BMA H (VRK)	a
	X	MC1066	8C-MA5-602-010	PWB, MICON	a
	O	MC1A	87-B10-091-010	UTT2+3-10 W/O SLOT BLK	a
	O	MC1B	87-067-758-010	BVT2+3-12 W/O SLOT	a
	O	MC1C	87-067-703-010	BVT2+3-10 W/O SLOT	a
	O	MC1D	87-NF4-224-010	S-SCREW, IT3B+3-8 CU	a
	O	MC1E	87-067-689-010	BVTT+3-8	a

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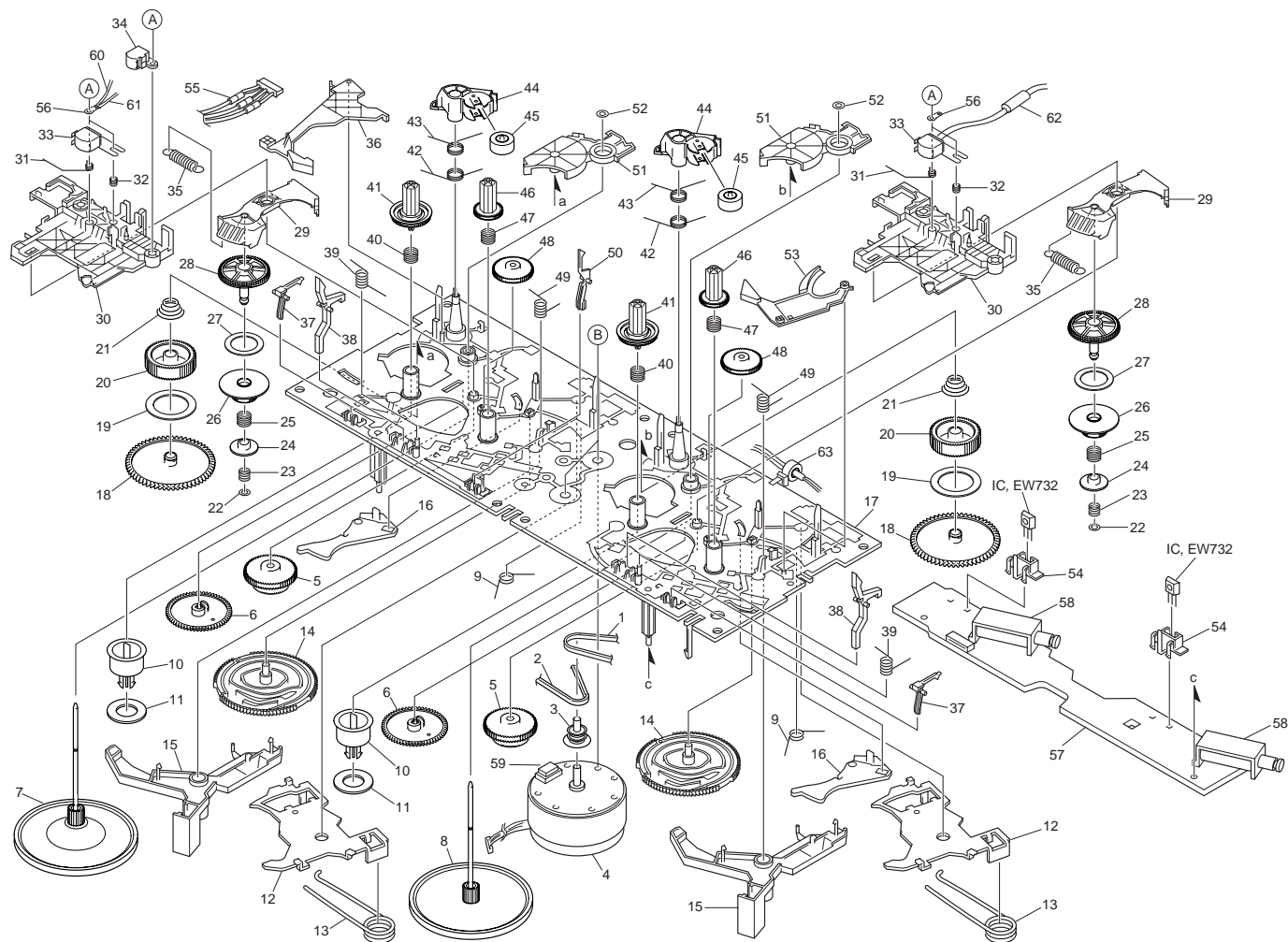
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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					CX - ZA65
					LHSC
	O	MC1F	87-B10-315-010	BVIT3B+3-8 R W/O	a
	O	MC1G	87-078-200-010	S-SCREW, ITC+4-8 R	a
	O	MC1H	87-591-095-410	QIT+3-8	a
	O	MC1I	87-753-097-410	VT2+3-12 W/O BLK	a

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue	GL	Light Green	HT	Transparent Gray
HM	Metallic Gray	NH	Champagne Gold	M	Wood Pattern

TAPE MECHANISM EXPLODED VIEW



TAPE MECHANISM PARTS LIST

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					ZZM-3 YPR1NC
	O	ST1001	8Z-ZM3-227-210	BELT,MAIN M3	a
	O	ST1002	8Z-ZM3-235-210	BELT,MAIN L	a
	O	ST1003	8Z-ZM1-235-010	PULLEY,MOT	a
	O	ST1004	87-A92-321-010	MOT,SHU2L 60	a
	O	ST1005	8Z-ZM1-232-010	GEAR,IDL FF/REW	a
	O	ST1006	8Z-ZM3-229-010	GEAR,IDL M3	a
	O	ST1007	8Z-ZM3-256-010	FLY-WHL ASSY,M3 R	a
	X	ST1007a	8Z-ZM2-211-310	FLY-WHL,ZZM-2	a
	X	ST1007b	8Z-ZM3-242-110	SHAFT,CAP M3	a
	O	ST1008	8Z-ZM3-255-010	FLY-WHL ASSY,M3 L	a
	X	ST1008a	8Z-ZM3-228-210	FLY-WHL,M3	a
	X	ST1008b	8Z-ZM3-242-110	SHAFT,CAP M3	a
	O	ST1009	8Z-ZM3-231-310	SPR-T,TRIG	a
	O	ST1010	8Z-ZM3-213-110	CLR,MG	a
	O	ST1011	82-ZM3-616-010	RING MAGNET 4	a
	O	ST1012	8Z-ZM3-243-110	LEVER ASSY,HD UP	a
	X	ST1012a	8Z-ZM3-207-010	LEVER,HD UP	a
	X	ST1012b	8Z-ZM3-241-110	SHAFT,HD UP	a
	O	ST1013	8Z-ZM3-238-110	SPR-T,HD UP	a
	O	ST1014	8Z-ZM3-219-310	GEAR,CAM M3	a
					ZZM-3 YPR1NC
	O	ST1015	8Z-ZM3-206-010	LEVER,TRIG	a
	O	ST1016	8Z-ZM3-209-010	LEVER,CAM FR	a
	O	ST1017	8Z-ZM3-203-310	CHAS ASSY,M3	a
	X	ST1017a	8Z-ZM1-268-010	BRG,METAL	a
	X	ST1017b	8Z-ZM3-201-310	CHAS ASSY,OUT-SERT M3	a
	X	ST1017c	8Z-ZM3-202-010	CHAS,M3	a
	O	ST1018	8Z-ZM1-228-010	GEAR,SLIP T-UP B	a
	O	ST1019	8Z-ZM1-265-010	FELT,T-UP	a
	O	ST1020	8Z-ZM1-227-010	GEAR,SLIP T-UP A	a
	O	ST1021	8Z-ZM1-251-310	SPR-C,T-UP SLIP	a
	O	ST1022	8Z-ZM1-275-010	W-L,1.47-4-0.25	a
	O	ST1023	8Z-ZM1-257-210	SPR-C,F/R	a
	O	ST1024	8Z-ZM1-236-010	CLR,SLIP FF/REW	a
	O	ST1025	8Z-ZM3-261-010	SPR-C,FR M3 C	a
	O	ST1026	8Z-ZM3-250-010	GEAR,SLIP F/R A M3	a
	O	ST1027	8Z-ZM1-269-010	FELT,FF/REW 2	a
	O	ST1028	8Z-ZM1-238-110	GEAR,SLIP FF/REW B 2	a
	O	ST1029	8Z-ZM3-220-110	LEVER,FR M3	a
	O	ST1030	8Z-ZM3-205-110	LEVER,PLAY M3	a
	O	ST1031	8Z-ZM3-262-010	SPR-T,BRG M3 C	a
					ZZM-3 YPR1NC
	O	ST1032	84-ZM2-227-310	SPR-C,AZIMUTH	a
	O	ST1033	87-A90-403-210	HEAD,RPH MS15R	a
	O	ST1034	87-A90-404-110	HEAD,EH LE15B	a
	O	ST1035	8Z-ZM3-263-010	SPR-E,FR C	a
	O	ST1036	8Z-ZM3-211-110	LEVER,EJECT R	a
	O	ST1037	8Z-ZM3-225-110	LEVER,STOP	a
	O	ST1038	8Z-ZM3-221-210	LEVER,CAS	a
	O	ST1039	8Z-ZM3-234-310	SPR-T,LVR CAS	a
	O	ST1040	8Z-ZM3-223-310	SPR-C,REEL R M3	a
	O	ST1041	8Z-ZM1-225-110	GEAR,REEL R	a
	O	ST1042	8Z-ZM3-264-010	SPR-T,T-UP M3 C	a
	O	ST1043	8Z-ZM3-252-010	SPR-T,PINCH 2	a
	O	ST1044	8Z-ZM3-215-110	LEVER,PINCH M3	a
	O	ST1045	8Z-ZM3-257-010	ROLLER ASSY,PINCH Y M3	a
	X	ST1045a	8Z-ZM3-258-010	ROLLER,PINCH Y M3	a
	X	ST1045b	8Z-ZM3-259-010	CLR,ROLLER Y M3 B	a
	O	ST1046	8Z-ZM1-226-010	GEAR,REEL L	a
	O	ST1047	8Z-ZM3-222-210	SPR-C,REEL L M3	a
	O	ST1048	8Z-ZM3-251-010	GEAR,IDL REW M3	a
	O	ST1049	8Z-ZM3-236-310	SPR-T,PLAY M3	a
					ZZM-3 YPR1NC
	O	ST1050	82-ZM1-240-110	LVR,REC	a
	O	ST1051	8Z-ZM3-216-310	LEVER,T-UP M3	a
	O	ST1052	87-B10-301-010	W-L,1.63-3.2-0.5 SLIT	a
	O	ST1053	8Z-ZM3-212-010	LEVER,EJECT L	a
	O	ST1054	8Z-ZM3-214-010	HLDR,IC	a
	O	ST1055	86-ZM3-605-110	CONN ASSY,8P -RPB	a
	X	ST1056	87-450-411-010	TERMINAL,LB 1	a
	X	ST1057	8Z-ZM3-604-010	PWB,MAIN C	a
	O	ST1058	82-ZM3-621-210	SOL ASSY,27 KO	a
	X	ST1058a	82-ZM3-622-010	HLDR,BOBBIN SOL KO	a
	X	ST1058b	82-ZM3-623-010	YOKE,SOL KO	a
	X	ST1058c	82-ZM3-624-010	SHAFT,CORE SOL KO	a
	X	ST1058d	82-ZM3-625-010	SHAFT,PLUNGER SOL KO	a
	X	ST1058e	82-ZM3-626-010	TERMINAL,SOL KO	a
	X	ST1059	8Z-ZM3-224-210	SH,BELT M3	a
	X	ST1060	89-936-100-110	WIRE,UB6-10-3	a
	X	ST1061	89-937-220-110	WIRE,UB7-22-3	a
	O	ST1062	86-ZM3-604-210	CONN ASSY,3P -PB	a
	O	ST1063	87-A90-193-010	HLDR,CV100 (B)	a
	O	ST1A	84-ZM2-252-010	S-SCREW,AZI-2-6.4 C	a

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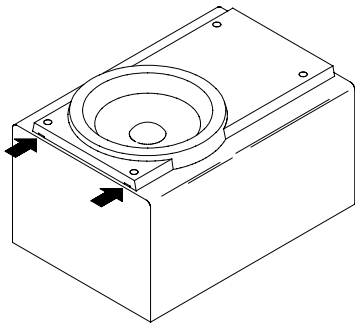
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					ZZM-3
					YPRINC
					a
	O	ST1B	8Z-ZM3-245-110	V+2.6 ZZM-3	

GENERAL SPEAKER DISASSEMBLY INSTRUCTIONS (FOR REFERENCE)

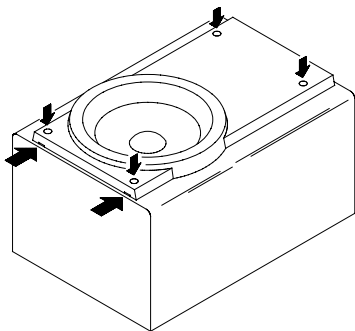
Type.1

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.



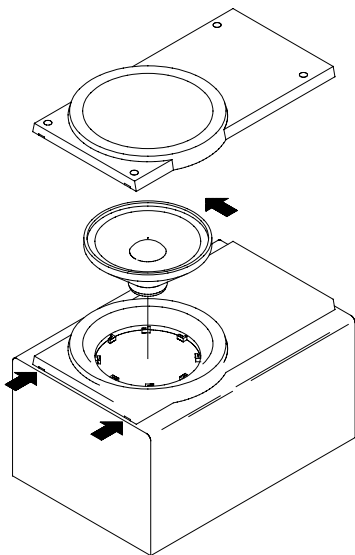
Type.2

Remove the grill frame and four pieces of rubber caps by pulling out with a flat-bladed screwdriver. Remove the screws from hole where installed rubber caps. Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.

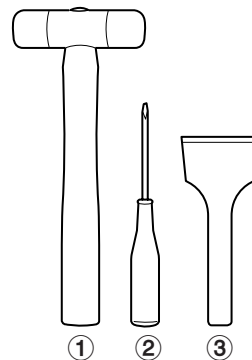


Type.3

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Turn the speaker unit to counter-clockwise direction while inserting a flat-bladed screwdriver into one of the hollows around speaker unit, and then remove the speaker unit. After replacing the speaker unit, install it turning to clockwise direction until "click" sound comes out.



Type.4



TOOLS

- ① Plastic head hammer
- ② (⊖) flat head screwdriver
- ③ Cut chisel

How to Remove the PANEL, FR

1. Insert the (⊖) flat head screwdriver tip into the gap between the PANEL, FR and the PANEL, SPKR. Tap the head of the (⊖) flat head screwdriver with the plastic hammer head, and create the clearance as shown in Fig-1.
2. Insert the cut chisel in the clearance, and tap the head of the cut chisel with plastic hammer as shown in Fig-2, to remove the PANEL, FR.
3. Place the speaker horizontally. Tap head of the cut chisel with plastic hammer as shown in Fig-3, and remove the PANEL, FR completely.

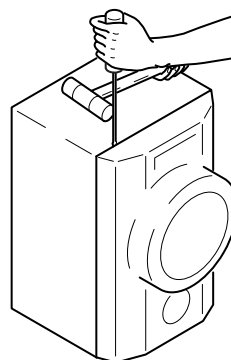


Fig-1

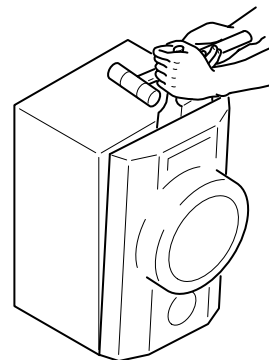


Fig-2

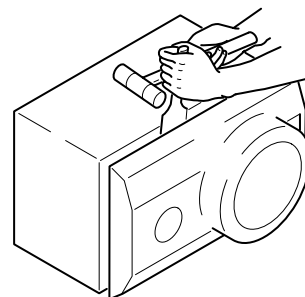


Fig-3

How to Attach the PANEL, FR

Attach the PANEL, FR to the PANEL, SPKR. Tap the four corners of the PANEL, FR with the plastic hammer to fit the PANEL, FR into the PANEL, SPKR completely.

SPEAKER PARTS LIST (SX – WZA65)

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					SX-WZA65
					YLSL
OTHERS	O	1	88-NS5-610-010	CORD, SPKR	a
OTHERS	O	2	8B-MS3-006-010	PANEL, DUCT A	a
OTHERS	O	3	8C-MS3-006-010	PANEL, DUCT B	a
OTHERS	O	4	8B-MS3-008-010	PANEL, DUCT C	a
OTHERS	O	5	8C-MS3-002-010	PANEL, FR 80	a
OTHERS	O	6	8C-MS3-003-010	PANEL, TW A	a
OTHERS	O	7	8C-MS3-004-010	PANEL, TW B	a
OTHERS	O	8	8C-MS3-007-010	PROTECTOR, SQ	a
OTHERS	O	9	88-NSK-610-010	SPKR, CERAMIC ASSY	a
OTHERS	O	10	8B-MS3-604-010	SPKR, M 140	a
OTHERS	O	11	8B-MS3-602-010	SPKR, W 200	a

ACCESSORIES PARTS LIST

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					CX - ZA65
					LHSC
PRINTED DU	O	1	8C-MA5-904-010	IB, LH (3L) C	a
ACCESSORY	O	2	8Z-NF9-702-010	RC UNIT, ZAS02	a
ACCESSORY	O	3	87-A92-150-010	ANT, LOOP AM NO-CONT	a
ACCESSORY	O	4	87-043-115-010	FEEDER-ANT, FM	a
ACCESSORY	O	5	87-A92-262-010	PLUG, CONVERSION WT01011	a

OTHER PARTS LIST (CX – ZA65)

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					CX - ZA65
					LHSC
LBL, POP	X		8C-MA5-970-010	LBL, POP LHL	a
LBL, POP	X		8C-MA5-971-010	LBL, POP LHR	a
PACKING DU	X		87-B40-269-010	BAG, PV 0.04-800-900 PL	a
PACKING DU	X		8C-MA5-855-010	CTN, PRINTED LHSC	a
PACKING DU	X		8C-MA5-851-010	CUSHION, FRONT LHC	a
PACKING DU	X		8C-MA5-852-010	CUSHION, REAR LHC	a
PACKING DU	X		93-704-337-010	SH, FOAMED-MAT 0.31-800-500	a
PRINTED DU	X		87-B40-086-010	BAG, PV 0.04-230-400 PL	a
PRINTED DU	X		87-B50-079-010	LIST, FACILITY (B) -0007	a
PRINTED DU	X		87-B50-056-010	SH, CAUTION AC VOLTAGE	a

OTHER PARTS LIST (ZZM – 3)

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					ZZM-3
					YPR1NC
ASSY CODE	X		M8-ZZM-395-070	ZZM-3 YPR1NC	a
PACKING	X		8Z-ZM3-858-010	CUSHION,BOTTOM C	a
PACKING	X		82-ZM3-987-010	BAG,PV 0.04-300-210	a
PACKING	X		8Z-ZM3-857-010	CTN,PRINTED YPR1NC	a
PACKING	X		8Z-ZM3-859-010	CUSHION, TOP C	a
	X		8Z-ZM3-603-010	PWB, COMB 6M C	a



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